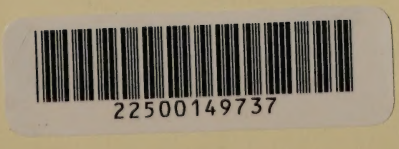
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SUPPLEMENT

TO THE

SEVENTY-FIFTH ANNUAL REPORT

OF THE

REGISTRAR-GENERAL

OF

BIRTHS, DEATHS AND MARRIAGES

IN ENGLAND AND WALES.

PART II.
ABRIDGED LIFE TABLES.

Presented to Parliament by Command of His Majesty.

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TABLE OF CONTENTS.

NOTE.—The Life Tables are based upon the mean rates of mortality experienced during the years 1911 and 1912, shown in Tables I. and II. The estimates of populations, the births and the deaths in the several age periods upon which the rates of mortality are based, are shown in the Annual Reports for the years 1911 and 1912. The values of $l_x - l_{x+n}$ (the number dying in the age period x to $x + n$), shown in Tables V. and VI., are the differences of the successive values of l_x shown in Tables III. and IV. Divided by 100,000 the values of $l_x - l_{x+n}$ give the probability at birth of dying within the age limits of the several age periods. The italic figures in brackets over the entries in Tables III., IV., VII. and VIII. indicate the numerical sequence of the values at the same age for the section of the table (*e.g.*, counties or county boroughs) when arranged in order of decreasing magnitude.

NOTATION.—The system of notation adopted in this Report is, in general, that authorised by the Institute of Actuaries, and explained in the Institute's Text Book, Part II., (Life Contingencies). A summary of the chief symbols is given on page 55 of Part I. of the present Supplement. Such special symbols as are employed are defined in the paper.

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SUPPLEMENT TO THE SEVENTY-FIFTH ANNUAL REPORT OF THE REGISTRAR-GENERAL OF BIRTHS, DEATHS, AND MARRIAGES IN ENGLAND AND WALES.

PART II.— ABRIDGED LIFE TABLES.

Report to the Right Honourable Christopher Addison, M.D., M.P., The Minister of Health, etc., etc.

SIR,—I have the honour to submit the following report which constitutes the second part of the Supplement to the Seventy-fifth Annual Report.

As stated in Part I of this Supplement (Life tables) certain investigations were, at the date of its publication in 1914, already on foot for the purpose of devising a simple method for the construction of an abridged life table, *i.e.*, a table giving certain functions at a few selected points of age instead of at every year of age as given in the extended tables of Part I. These enquiries, which were independently promoted by several private investigators as well as by the Department itself, owed their origin to the expectation that considerable advantage would accrue from any scheme whereby such abridged life tables could conveniently and expeditiously be prepared.

Prior to that date little progress had been made by the Department in the construction of abridged life tables. Dr. Farr had devised a method in the course of his well-known work upon his first extended English life table (see Fifth Annual Report); but the values obtained were rough approximations only to the corresponding values of an extended table, and little use has in fact been made of this method. The late Dr. T. E. Hayward, the medical officer of health for Haydock, working largely in collaboration with the late Mr. A. C. Waters of this Department, did much to improve the methods for the construction of abridged life tables and succeeded in obtaining values approximating very closely to those of the extended tables, while the method of Mr. George King, F.I.A., F.F.A., formulated at the instigation of this Department and described in the first part of this Supplement furnished values which, as regards accuracy, leave little to be desired. Mr. King's method, however, did not deal with the ages of infancy and early childhood.

A further stage was entered upon by Dr. John Brownlee in his paper on the "Relationship of the Corrected and the Life Table Death Rates" (*Journal of Hygiene* Vol. xiii, No. 2, 1913), in which it was shown that the expectation of life may be obtained approximately (by the use of certain formulæ he had deduced) with very little labour from the "standardized" death-rate. In order, however, to obtain his formulæ Dr. Brownlee was obliged to have recourse to life tables which, being constructed on different plans, probably represented the actual mortalities with varying degrees of accuracy; and it was found upon the construction by the Department of new equations based upon a stricter selection of recent life tables that a much closer approximation was obtained than by the original formulæ.

Dr. Brownlee's method gives, however, one only of the life table functions, namely, the expectation of life; and it seemed possible that other functions, *e.g.*, the number of survivors and the stationary life table population might be deduced from a study of existing extended life tables. Moreover, in view of the similarity in the form of the mortality curves in most ordinary populations, it seemed probable that any two populations having the same death-rate in any period of age (*e.g.*, quinquennial) would show, on the construction of extended life tables, practically the same probability of survival through that period. And, finally, the actual tabulations, carried out by the Department, of the observed

quinquennial death-rates in the case of several populations for which extended life tables existed, in conjunction with the probability of survival through these periods, were found to afford indications that the two series might be connected by a simple law; and similar results were obtained by the conduct of the same operations in relation to decennial periods of age.

At this stage the Department became aware that Dr. E. C. Snow, with whom, as with other statisticians, frequent consultations had taken place over matters of statistical interest, was engaged in private investigations having the same objects in view. In these circumstances, in view of the nature of the enquiry and of the incidental character of the Department's concern therein, the most suitable method of procedure appeared to be that Dr. Snow should continue his investigation with the assistance of the results previously obtained by the Department, which were accordingly placed at his disposal for the purpose.

The present volume of the Decennial Supplement accordingly embodies, in accordance with the arrangement then made, the conclusions arrived at by Dr. Snow and the method propounded by him as a result of his investigation. Dr. Snow's paper was completed and available for publication in 1914, but its issue has been unavoidably postponed until the present date by the circumstances arising out of the War.

The volume also comprises life tables, based upon the observed mortality in the years 1911 and 1912, which have been calculated according to Dr. Snow's method for administrative counties (distinguishing in some cases the urban from the rural portions of the county), for the larger county boroughs, and for the combined rural districts of Norfolk and Suffolk as representing an area which is markedly rural in character. Similar Tables are also given for London, and for the four geographical divisions of England and Wales (distinguishing the larger and smaller urban and the rural districts) adopted as a standing feature of the Annual Reports since 1911.

A word of caution is perhaps desirable with regard to the above mentioned Tables. It will be apparent that before they are used as a basis for any definite conclusions, the question how far the mortality disclosed in the years 1911 and 1912 represented the normal mortality of the district or how far it is in fact adversely abnormal by reason of any particular cause, *e.g.*, an epidemic, should be carefully considered. The county borough of Middlesbrough, for example, is unique, showing a greater expectation of life among children aged five years than among those aged two, all other areas showing, as does general experience, that expectation of life falls after the age of two years; and this anomalous condition is due in large measure to a severe epidemic of measles, which raised the death-rate of children in the age period two to five years abnormally.

I have the honour to be, Sir, Your Obedient Servant,

BERNARD MALLET, Registrar-General.

General Register Office,
Somerset House, London, W.C. 2.
31*st October*, 1920.

AN ELEMENTARY RAPID METHOD OF CONSTRUCTING AN ABRIDGED LIFE TABLE.

E. C. SNOW, M.A., D.Sc.

TABLE OF CONTENTS.

1. This paper aims at describing a method by which an abridged Life Table of sufficient accuracy for the purposes of a Medical Officer of Health may be constructed in three or four hours, provided the ordinary death-rates in various age-groups of the population concerned are available.* Little or no mathematical knowledge is required beyond that involved in arithmetical substitution in simple algebraical formulæ. At the commencement of the work it was considered that a sufficent degree of accuracy for the purpose of a Medical Officer of Health would be reached if the final function of a Life Table ($\mathring{e}_x$)—the average after-lifetime—agreed at ages under 65 with the value given by extended methods to within one month—·08 of a year. Actually, it will be seen, a much closer degree of exactness has for the most part been reached, while it is probably only a question of further investigation to ensure even closer accuracy.

The gist of the method is as follows :—

(i) To ascertain the values of l_x at various ages (15, 20, 25, 35, etc.), the values of ${}_np_x$—the chance of living n years from age x—are found from certain formulæ—empirically determined—expressing ${}_np_x$ in terms of the corresponding death-rate observed in the population under notice for the age-group concerned. Thus, for example, the chance of living 5 years from age 15 is found from an equation which expresses this in terms of the death-rate in the population in the group (15–20).

(ii) To ascertain the values of $\mathring{e}_x$ (for which the sum of values of l_x at every year of age after x is required), the sum of 5 or 10 (as the case may be) successive values of l_x is found as a multiple of l_x from an equation—also empirically determined—expressing

* With the aid of the Tables (pp. xxxvi–xlvi), constructed in the General Register Office after this paper had been completed, the time and labour involved in the calculations are appreciably lessened.

this sum in terms of the corresponding value of ${}_np_x$. Thus, for example, the sum of l_{15}, l_{16}, l_{17}, l_{18}, and l_{19}, is found as a multiple of l_{15} in terms of the chance of living 5 years from age 15.*

When these facts are known for a continuous series of groups to the end of life the l_x and $\mathring{e}_x$ columns of the abridged Life Table can be readily constructed.

The actual formulæ to be employed depend upon the age groupings used and for the purposes of this paper the grouping 0–1, 1–2, 2–5, 5–10, 10–15, 15–20, 20–25, 25–35, 35–45, 45–55, 55–65, 65–75, 75–85, 85 and upwards was employed. The chief reason for the adoption of this particular grouping was that it enabled many examples of the method to be shown. Although formulæ available for other age-groupings are not given, these can readily be obtained when required. It is impossible to anticipate all the various arrangements of age-groupings which may for different objects be suitable, but it is believed that formulæ relating to the above groups will be those most generally useful to Medical Officers of Health.

In the construction of a Life Table by this empirical method it is convenient to deal separately with the periods (*a*) under age 10 and (*b*) over age 10—roughly speaking the periods in which mortality (*a*) falls with age, and (*b*) rises with age. The agreement with the figures obtained by extended methods is not particularly good at age 1 and is poor at birth. There are reasons, however, to believe that the extended methods of constructing Life Tables give results which deviate from the truth at early ages, and it is not certain that the discrepancies to be noticed (*see* paragraph 14) tell against the empirical method.

For practical purposes the application of the empirical method can be followed from the example given in paragraph 10 for ages over 10 and in paragraph 15 for ages under 10, and a preliminary perusal of these paragraphs will aid in the reading of the rest of the paper.

2. The evolution of the ideas leading to the work to be described may first shortly be stated. Progress on two distinct problems required a knowledge of certain functions of Life Tables for various populations for which no such tables existed. In one case it was desired to compare the proportion of unmarried females (aged 15–20) who remain unmarried on attaining age-group 25–30 in a population of low social status, *e.g.*, Bermondsey, with the corresponding proportion in a locality of higher social status, *e.g.*, Hampstead. The solution of this question strictly required for each population a knowledge of the chance of surviving from (15–20) to (25–30),† and this could have been found had the appropriate Life Tables existed.

In the second case, in order to obtain a measure of emigration in age groups, it was desired to find how many of the males aged 10–15 in 1901 in a rural area would survive and be aged 20–25 in 1911. This number when compared with the number actually enumerated aged 20–25 in 1911 in the area enables us to deduce to what extent the original population 10–15 in 1901 was affected by migration before 1911.

It is obvious that the function of the Life Table required in each case is correlated, probably highly correlated, with the ordinary death-rates in the age-groups referred to. Thus if we took a number of cases in which (*a*) the function of the Life Table and also (*b*) the death-rates in the age-groups are known we could construct an equation expressing (*a*) in terms of (*b*). Then, in cases where (*a*) is not known it could be computed from the knowledge of (*b*) by means of the equation. Some preliminary work showed that fairly accurate results could in this way be obtained, and the next natural step was to

* The expression $l_x + l_{x+1} + \ldots + l_{x+n-1}$ divided by l_x is written throughout this paper as ${}_nk_x$.

† By this we simply mean the chance that any individual enumerated in the group (15–20) at one date should be alive 10 years later. The expression lacks actuarial exactitude, but the degree of accuracy permitted by the data in such a problem would necessitate taking 5 years as our unit.

attempt to construct the l_x column of a Life Table (through the p_x column) by means of the death-rates in various age-groups. For example, the chance of living 5 years from age $15 - {}_5p_{15}$ — might be expressed in terms of the ordinary ungraduated death-rate 15–20 by means of an equation obtained from those Life Tables already in existence. We have then only to substitute in this equation the death-rate 15–20 for any other population to ascertain (on the basis of the experiences of the original populations) the most likely value of ${}_5p_{15}$ for that population. By repeating the process for other age-groups we might determine a whole series of values for ${}_np_x$ and hence deduce the l_x column.

Equations were found expressing ${}_5p_{15}$, ${}_5p_{20}$, ${}_{10}p_{25}$, ${}_{10}p_{35}$, ${}_{10}p_{45}$, ${}_{10}p_{55}$, and ${}_{10}p_{65}$ in terms of the death-rates in the groups 15–20, 20–25, 25–35, 35–45, 45–55, 55–65, and 65–75, respectively. The actual tables used are stated later, those for Males and Females, after a preliminary trial, being separately dealt with. The "fit" of the equation was invariably exceedingly close; p was taken to 4 places of decimals, and the death-rate to 5 places per unit population, but the differences between the values of p used to derive the equation and the values given by it were, except for late age-groups, very rarely in excess of ·0002.

3. The experiences employed to reach the formulæ were the following:—

England and Wales	1910–12	Males and Females.	
" "	1901–10	"	"
" "	1891–1900	"	"
London	1901–1910	"	"
"	1891–1900	"	"
Selected Healthy Districts (England and Wales) ...	1891–1900	"	"

In this part of the work equations were constructed separately from the male and female experiences, giving 6 observations in each. In certain cases, formulæ were also constructed from the data of 10 experiences, the extra ones being:—

London	1911–12	Males and Females.	
County Boroughs	1911–12	"	"
Other Urban Districts... ...	1911–12	"	"
Rural Districts	1911–12	"	"

The suffix "10" attached to the M. or F. in the list of equations below denotes that the corresponding equation was based upon 10 observations. The symbol r is used throughout to denote the observed death-rate in the group under consideration; this, of course, is not the same as m, the central death-rate as given by the Life Table. As an index of the extent to which the equation fits the data upon which it is based, the mean difference, without regard to sign, between the corresponding values (calculated and observed) has in each case been worked out, and is referred to throughout as "Mean Δ."

The equations found are as follows:—

Age Group.	*Sex.*	*Equation.*	*Mean Δ.*
10–15	M	$p = ·99994 - 4·9412r$	·0000
10–15	F	$p = 1·00046 - 5·1532r$	·0000
15–20	M	$p = 1·00093 - 5·2656r$	·0002
15–20	M_{10}	$p = 1·00054 - 5·1462r$	·0001
15–20	F	$p = 1·00013 - 5·0078r$	·0000
20–25	M	$p = ·99922 - 4·7539r$	·0001
20–25	M_{10}	$p = ·99952 - 4·8157r$	·0001
20–25	F	$p = 1·00004 - 4·9589r$	·0000
20–25	F_{10}	$p = ·99981 - 4·8998r$	·0000
25–35	M	$p = 1·00020 - 9·8284r$	·0002
25–35	M_{10}	$p = ·99979 - 9·7653r$	·0002
25–35	F	$p = ·99938 - 9·7473r$	·0003
25–35	F_{10}	$p = ·99970 - 9·8037r$	·0002
35–45	M	$p = ·99518 - 9·1138r$	·0003
35–45	M_{10}	$p = ·99571 - 9·1740r$	·0003
35–45	F	$p = ·99721 - 9·3342r$	·0002
35–45	F_{10}	$p = ·99732 - 9·3561r$	·0003
45–55	M	$p = ·98828 - 8·6201r$	·0006
45–55	M_{10}	$p = ·98901 - 8·6742r$	·0007
45–55	F	$p = ·99245 - 8·9264r$	·0004
45–55	F_{10}	$p = ·99272 - 8·9537r$	·0004
55–65	M	$p = ·96289 - 7·5578r$	·0013
55–65	F	$p = ·97582 - 8·0319r$	·0006

The case of equations referring to periods before age 10 differs from that of equations referring to later periods. The death-rate falls continuously up to age, about, 11, and rises afterwards, and a particular rate in a five-year period before that age is accompanied with a different value of p from that associated with the same rate in a period after that age.

The equations found for ages under 10 were :—

Age Group.	*Sex.*	*Equation.*	*Mean* Δ.
5–10	M	$p = \cdot99896 - 4\cdot6674r$	·0003
5–10	F	$p = \cdot99882 - 4\cdot6335r$	·0003
0–5	M	$p = \cdot96392 - 3\cdot4131r$	0014
0–5	F	$p = \cdot97304 - 3\cdot6206r$	·0010
0–5 6 Experiences of England and Wales	M and F	$p = \cdot97104 - 3\cdot5419r$	0009
0–5 4 Latest experiences of England and Wales...	M and F	$p = \cdot97347 - 3\cdot5965r$	·0005

For the equations referring to periods over age 10, as would be anticipated the mean Δ is smaller in the case of five-year age groups than in the case of ten-year groups, and also is smaller, on the whole, for females than for males, a reason for this being suggested later. The mean Δ, again, is larger for the older age groups than for the younger ones. This is not an important defect, since if it be considered sufficient to have p correct to four places of decimals in the groups under age 40 or so it is probably enough to have it correct to three places after age 60. The range of rate covered by the equation in the case of the later age-groups is much greater than for the earlier ones. The equation for the group (25–35) M., for instance, was based upon six rates ranging from ·00480 to ·00676 per unit of population ; for the group (55–65) M., however, the range was from ·02389 to ·04068 per unit population.

That the range covered affects the " fit " of the equation was to be expected, and when the data for the group (55–65) M. and F. were divided into two groups (*a*) rate under ·02900 per unit population and (*b*) rate over ·02900, the equations found were :—

(*a*) $p = \cdot97954 - 8\cdot1880r$. Mean $\Delta = \cdot0004$.
(*b*) $p = \cdot95317 - 7\cdot2841r$. Mean $\Delta = \cdot0005$.

The two lines are appreciably different, and the mean values of Δ less than half those previously found for the same age-group. The fact that the range covered by the observations on which the line is based affects the " goodness of fit " is probably the reason for the better showing of the equations relating to females in the above list, the range in the case of females being generally smaller than that in the case of males.

4. When the above equations were applied to the data of populations whose Life Tables had not been employed in deriving the equations, the resulting values of p were good so long as the rates were within the range of the observations used in deducing the equations, but were comparatively bad if they fell outside that range. As some of the most important of the town Life Tables which have been constructed refer to populations—Liverpool, Manchester, etc.—the death-rates for which in any group, *e.g.*, 55–65, are higher than that for any of experiences used in reaching the equations, we can hardly hope to predict the value of p, *e.g.*, ${}_{10}p_{55}$, for such populations from a knowledge of the death-rate (55–65) by the use of the equation referring to ages (55–65) in the above list. For practical purposes, therefore, the above equations are not generally applicable.

On closer examination, however, it seems to be quite unnecessary to take age into account. The death-rate for Liverpool males (1911–12) in the group 25–35 was ·00775 per unit, and this was almost the same as that for England and Wales, males (1910–12) in the group 35–45, viz., ·00799 per unit, and was greater than that for the Selected Healthy Districts males (1891–1900) in the 35–45 group. The rate for Liverpool (25–35), in fact, falls within the range used for the equation relating to the (35–45) period. It is more important that the equation to be applied to find ${}_{10}p_{25}$ for Liverpool should be

Diagram I.

Showing the chance of surviving throughout a five-year period (p) in terms of the corresponding death-rate (r) in the period.
(*See* page ix.)

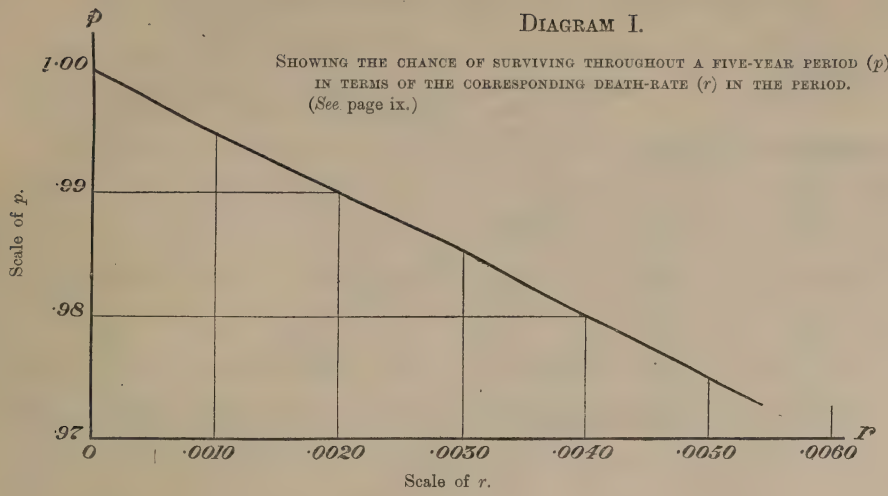


Diagram II.

Showing the chance of surviving throughout a ten-year period (p) in terms of the corresponding death-rate (r) in the period.
(*See* page ix.)

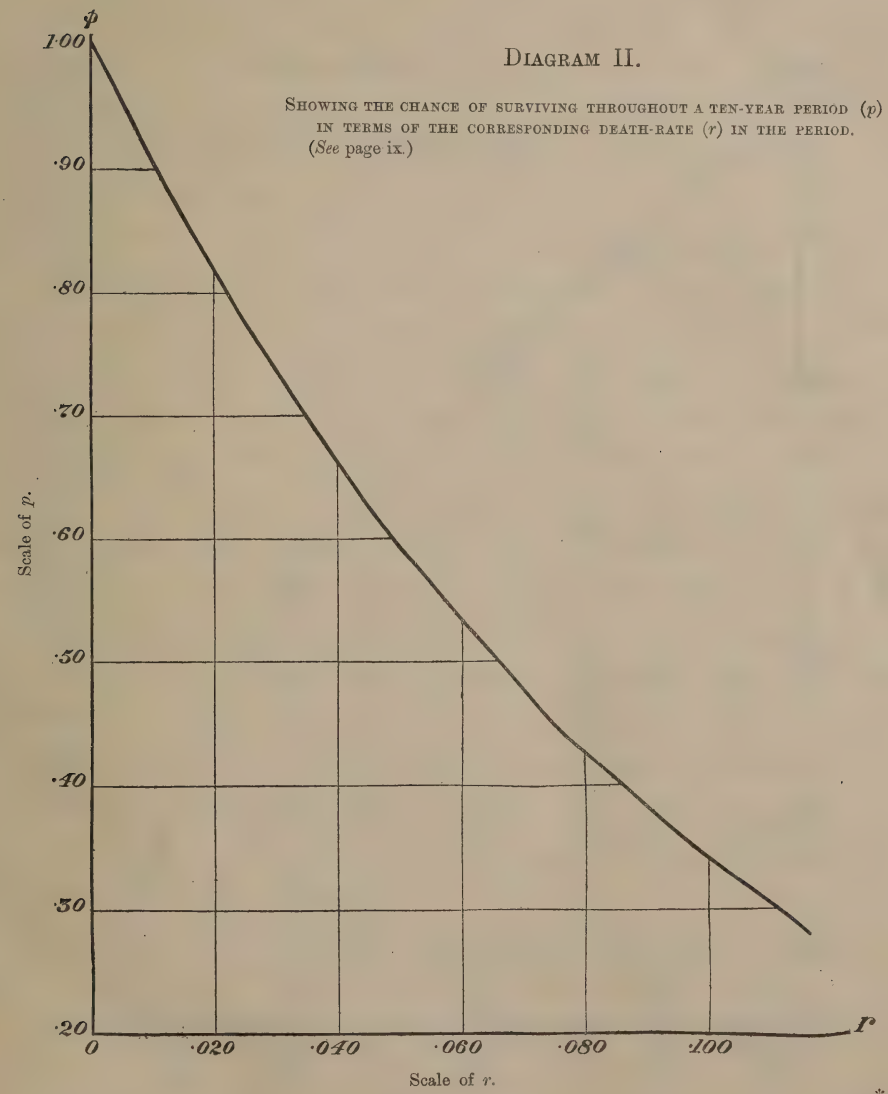


Diagram III.

Showing the value of ${}_5k_x$ in terms of the corresponding chance of living (${}_5p_x$) throughout the five-year period.
(*See* page xii.)

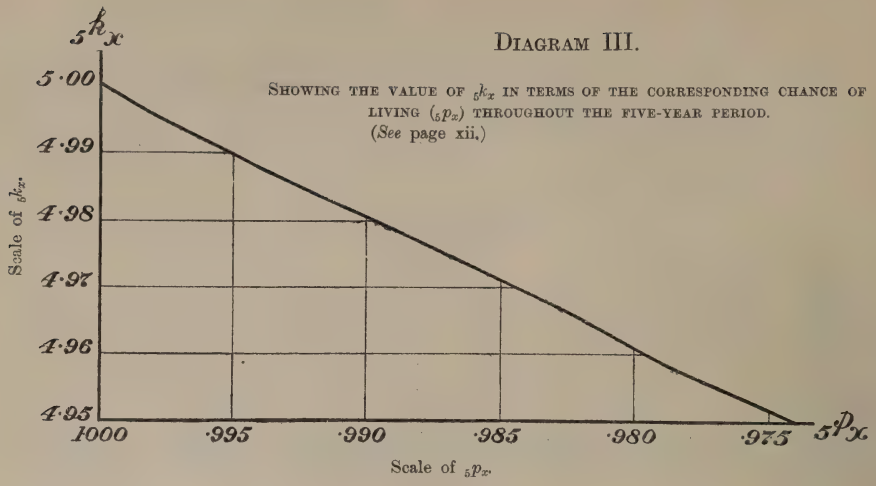
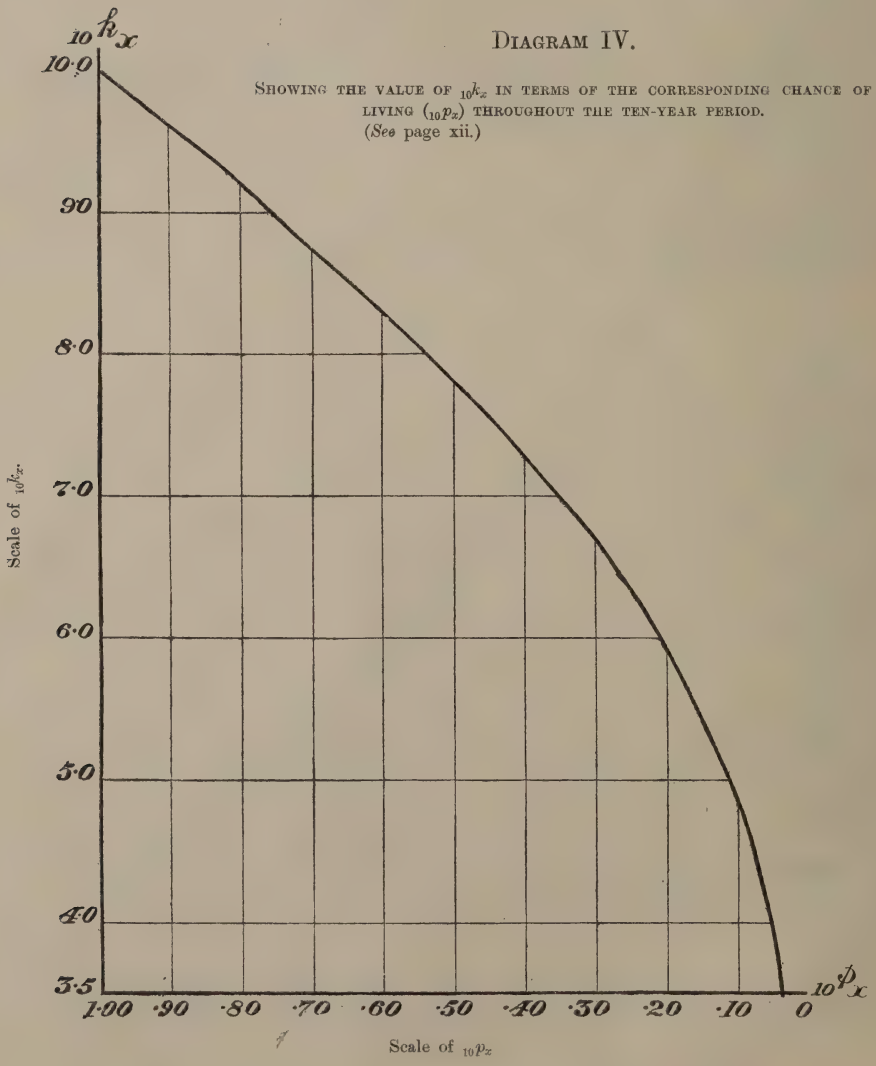


Diagram IV.

Showing the value of ${}_{10}k_x$ in terms of the corresponding chance of living (${}_{10}p_x$) throughout the ten-year period.
(*See* page xii.)



based upon death-rates in the neighbourhood of the Liverpool (25–35) one—whatever be the (ten-year) age period to which they refer—rather than that they should refer only to the group 25–35.

It appeared best at this point to obtain a new series of equations, grouping according to the death-rate and not according to the age group. We could, of course, employ all the experiences we have previously used; thus, to get an equation to cover a particular range of rates we could pick out some observations falling within that range from each of the experiences. But since by appropriate selection of the groups practically the whole range of likely rates can be covered *from a single experience*, it seems to be unnecessary to deal with more than one experience. This is a distinct advance. Variation in the method employed in constructing a Life Table affects the values of p, and some of the values of Δ found from the above series of equations are probably due to this. But when only one experience is used the values determined by the equations will be comparable with those which would be determined by the extended method actually applied to this experience if it were applied to the various populations under consideration. The single experience employed was that of England and Wales for 1910–12, male and female observations being employed indiscriminately. For that experience Diagram I shows the relation between the death-rate in a five-year age period and the chance of surviving the five years, and Diagram II the corresponding relationship for a ten-year period, in both cases only for that portion of life during which mortality rises with age. The fact that when the death-rate is zero the chance of survival is unity gives in each case the starting point of the curve.

If in Diagram II., the observations referring to the ten-year groups, 25–35, 35–45, etc. (*the only ones available before* 1910), alone had been plotted, the data would have been insufficient to obtain a series of equations such as was required. The fact that, for 1910–12, the deaths in every year of age had been tabulated and similarly, for the census of 1911, the population at each year of age, permits the use of the death-rates in groups 20–30, 30–40, etc., in addition (*see* Table *a*, p. xxx), and these accordingly were employed. If the more detailed system of tabulation commencing from 1910 had not been instituted it is improbable that the work described here could have been made of practical use.

5. A single equation might be obtained to represent the whole of the curve shown in each diagram. Such an equation, however, could only be made to give the degree of accuracy required by the expenditure of an amount of labour which appeared quite prohibitive, while its practical use would be doubtful. But that accuracy can be reached by dividing the curves into parts, each portion covering such a range that a straight line or parabola of the second order gives adequate agreement. The procedure adopted was to take the observations in groups of 6 in such a way that each group overlapped the adjacent ones. Thus, to get a formula to hold for rates (five-year period) between ·00300 and ·00370 six observations were taken ranging from ·00288 to ·00372.

An illustration of the method by which the equations were derived may be given in the case of rates (five-year period) ranging from zero to ·00300 per unit. The following data were employed :—

Experience of England and Wales, 1910–12.

Group.	*Death-rate* (r).	*Chance of surviving 5 years from beginning of group* (p).	*Value of p by equations.*	Δ.
	0	1·0000	·9999	·0001
M. 10–15	·00192	·9904	·9906	·0002
F. 10–15	·00201	·9901	·9901	·0000
F. 15–20	·00269	·9868	·9868	·0000
M. 15–20	·00288	·9861	·9859	·0002
F. 20–25	·00314	·9845	9846	·0001

The best equations of the forms

$$p = a + br.$$
$$p = c + dr + er^2*$$

respectively to fit the above six observations were determined and were found to be

$$p = \cdot99995 - 4\cdot8883r.$$
$$p = \cdot99994 - 4\cdot8670r - 6\cdot994r^2.$$

It can be shown that when r is between zero and ·00300 the values of p given by these two equations cannot differ by much more than ·00001, so that to the degree of accuracy required (the fourth place of decimals) the line is as good as the curve. The values actually given by each for the various values of r are shown in the last column but one, the differences (Δ) between them and the corresponding actual values of p being as stated in the last column.

As in the examples to illustrate the method the five-year system of grouping cannot be employed beyond the group 20–25, and as the rate for that group in no place is likely to exceed ·00550 per unit population, no equations to hold beyond that limit, for five-year groups, have been worked out. Between the values of r equal ·00300 and r equal ·00550, by taking the rates (both male and female) in the groups 25–30 and 30–35, in addition to those in the groups before 25, enough observations to divide that range into two parts were at hand, these being from r equal ·00300 to r equal ·00370 (actual observations from ·00288 to ·00372) and from r equal ·00370 to r equal ·00550 (actual observations from ·00367 to ·00585). Full data are given in Table *a*. It is probable that one equation would have served the whole of this range, but as the data were available two were worked out.† For the lower range the equations found were :—

$$p = \cdot99982 - 4\cdot9972r.$$
$$p = 1\cdot05634 - 39\cdot0499r + 5095\cdot5r^2,$$

and for the higher part

$$p = \cdot99897 - 4\cdot7082r.$$
$$p = 1\cdot00435 - 7\cdot0521r + 247\cdot824r^2.$$

In each of these cases the curve gives results slightly superior to the line ; in the latter case, for instance, the mean value of Δ by the line is ·00013 and by the curve ·00007. The curves, therefore, are to be used in preference to the lines.

Since an equation of the form $y = a + bx + cx^2$ can always be transformed into one of the form $y = d + c(x - e)^2$, which is rather more convenient for arithmetical purposes, the second form has been used throughout.

The equations to be used in the examples for determining p for the five-year age periods (after age 10) are accordingly as follows :—

Range of Death-rate.	*Equation.*	
0 —·00300	$p = \cdot99995 - 4\cdot8883r$ . . . . . (i)	(A)
·00300—·00370	$p = \cdot98152 + 5095\cdot5\ (\cdot00383 - r)^2$ . . . (ii)	(A)
·00370—·00550	$p = \cdot95419 + 247\cdot824\ (\cdot01423 - r)^2$ . . . (iii)	(A)

For the junctional values we have the following :—

When $r = \cdot00300$ (i) gives $p = \cdot9853$ and (ii) $p = \cdot9850$
When $r = \cdot00370$ (ii) gives $p = \cdot9816$ and (iii) $p = \cdot9817$.

6. The method adopted to obtain suitable equations for the ten-year periods after age 25 was the same as for the previous five-year groups. Data from the experience of

* For the most convenient way of deriving the equations, see Pearson's *Tables for Biometricians and Statisticians*, p. xlviii. A full illustration is given in Appendix II, p. xxxiii.

† This work was done before the advisability of dealing separately with the period under age 10 and that over age 10 was fully appreciated and it will be noticed from Table *a* that the figures referring to group 5–10 have been used. It will be seen that these do not altogether fit in with the others, but the effect upon final results is very small.

1910–12 (males and females) only were used (*see* Table *a*). The first equation found was intended to cover the range from $r = 0$ to $r = \cdot00500$. Populations with rates in the ten-year period 25–35 of less than ·00200 are exceedingly unlikely to come under the observation of a Medical Officer of Health, but to cover all possible cases the values $r = 0$ and $p = 1$ were taken in. The complete data upon which this first equation was based were :—

EXPERIENCE OF ENGLAND AND WALES, 1910–12.

Group.	*Rate* (r).	*Chance of surviving 10 years from Beginning of Group* (p)	*Value of p by Equation.*	Δ.
—	0	1·0000	1·0000	·0000
(20–30) F	·00340	·9666	·9665	·0001
(20–30) M	·00399	·9607	·9608	·0001
(25–35) F	·00408	·9598	·9599	·0001
(25–35) M	·00480	·9531	·9530	·0001
(30–40) F	·00514	·9498	·9498	·0000

The best linear and quadratic relationships connecting p with r are :—

$$p = \cdot99992 - 9\cdot785r$$
$$p = 1\cdot00001 - 10\cdot047r + 54\cdot28r^2.$$

The curve gives slightly better fit than the line, and the values of p derived from the former are shown.

By taking rates (and the corresponding values of p) for the groups 30–40, 40–50 . . ., in addition to those for the groups 35–45, 45–55 . . . , sufficient material was found to fit six curves (parabolas of the second order) to portions of the general curve in order between $r = 0$ and $r = \cdot19000$, and these will cover all cases likely to arise for rates between the group (25–35) and the group (75–85) for most populations in England and Wales. The higher ages are dealt with later.

Full details of the data used are given in Table *a*. The equations found are :—

Range of r.	*Equation.*	*Number of decimal places used in deriving equation. r.*	*p.*	
0—·00500	(i) $p = \cdot53505 + 54\cdot279\ (\cdot09255 - r)^2$	5	4	(B)
·00500—·00800	(ii) $p = \cdot07286 + 26\cdot8859\ (\cdot18575 - r)^2$	5	4	
·00800—·01500	(iii) $p = -\cdot43586 + 15\cdot8283\ (\cdot30091 - r)^2$	5	4	
·01500—·03000	(iv) $p = \cdot02194 + 22\cdot0192\ (\cdot20985 - r)^2$	5	4	
·03000—·07000	(v) $p = \cdot23118 + 28\cdot6851\ (\cdot16237 - r)^2$	4	4	
·07000—·19000	(vi) $p = \cdot10152 + 16\cdot7940\ (\cdot21951 - r)^2$	4	3	

For the junctional values we have the following :—

$r = \cdot00500$ ..... (i) ·9511 ..... (ii) ·9512
$r = \cdot00800$ ..... (ii) ·9223 ..... (iii) ·9222
$r = \cdot01500$ ..... (iii) ·8580 ..... (iv) ·8579
$r = \cdot03000$ ..... (iv) ·7342 ..... (v) ·7338
$r = \cdot07000$ ..... (v) ·477 ..... (vi) ·476

The difference between the corresponding values is in no case important, and if, in applying the equations, an observation falls close to the junction of two curves, the mean of the values of p given by the two equations should be used.

7. The two sets of equations so far given are sufficient to determine the chance of living throughout each of the groups 10–15, 15–20, 20–25, 25–35, 35–45, 45–55, 55–65, 65–75, and 75–85, and hence the l_x column of a Life Table at ages 10, 15, 20, 25, 35, 45, 55, 65, 75, and 85. As we assume l_{105} to be zero, it remains to determine l_{95} by means of the chance of surviving from 85 to 95. As for the end of life the death-rate is generally stated for the population at ages 85 and upwards, and is not given for the group 85–95, the value of ${}_{10}p_{85}$ must be expressed in terms of the former rate. A parabolic curve of the second order does not fit the data well at this period of life, the reason being that, as a very high death-rate is accompanied with a low chance of survival, the curve should asymptote to the horizontal axis. Such a curve is that of the form

$$p = ae^{-br} \text{ or } \log_{10} p = c - d.r.$$

Observations to derive such a curve were obtained by taking rates at age 80 and upwards

as well as at age 85 and upwards, with the corresponding values of ${}_{10}p_{80}$ and ${}_{10}p_{85}$ (*see* Table *a*), and the equation found was :—

$$\log({}_{10}p_{85}) = \cdot 188106 - 5\cdot 67829r. \qquad \text{B(vii).}$$

This curve fits almost exactly the points on which it was based. It gives when $r = \cdot 19000$ $p = \cdot 129$, while equation (vi) above gives $p = \cdot 116$ for that value of r. This is not a particularly good agreement for the junctional value, but is good enough for practical purposes at the end of an abridged Life Table.

Sufficient equations have now been given to construct the whole of the l_x column of an abridged Life Table from age 10. Most of the official tables given in Vol. I of the Decennial Supplement do not deal with the epoch before that age, but equations to fill in the earlier part are discussed later.

8. We now deal with the determination of the $\mathring{e}_x$ column. One method, by means of empirical equations in terms of the *standardized* death-rates at and above each of the ages concerned, has been published by Dr. Brownlee. It is probable that a number of empirical methods can be devised to give the $\mathring{e}_x$ column when the l_x one is known, and one in strict accordance with the principles already employed in this paper which gives good results is as follows :—

In an extended Life Table the number of years of life lived in each year of life (L_x) is given—it is generally taken as $\frac{1}{2}(l_x + l_{x+1})$. This L_x column is then summed upwards to obtain T_x, the number of years of life lived at and above age x.

In an abridged Life Table, in which l_x is given only at five-year or ten-year intervals, it would be convenient to have in a parallel column, not L_x for the particular age, but the sum of L_x, L_{x+1} . . . up to L_{x+4} or L_{x+9}, according to the interval. Considering the case of a five-year interval, $\mathrm{L}_x + \mathrm{L}_{x+1} + \ldots + \mathrm{L}_{x+4}$ is :—

$$\begin{aligned} &\tfrac{1}{2}(l_x + l_{x+1}) + \tfrac{1}{2}(l_{x+1} + l_{x+2}) + \ldots + \tfrac{1}{2}(l_{x+4} + l_{x+5}) \\ &\quad = \tfrac{1}{2}l_x + l_{x+1} + l_{x+2} + l_{x+3} + l_{x+4} + \tfrac{1}{2}l_{x+5}. \end{aligned}$$

Now, we should anticipate that, over a small range of a Life Table, ${}_5k_x$ (which is written for

$$\frac{l_x + l_{x+1} + l_{x+2} + l_{x+3} + l_{x+4}}{l_x}\Big)$$

should be highly correlated with ${}_5p_x$, which equals $\frac{l_{x+5}}{l_x}$. Accordingly it seemed probable that the sum of five consecutive terms in the l_x column could be found empirically when the corresponding ${}_5p_x$ is known by obtaining equations expressing ${}_5k_x$ (defined above) in terms of ${}_5p_x$. Similarly, too, when necessary we could deal with the ten-year groups.

When we have found the value of ${}_5k_x$ or ${}_{10}k_x$ for each of the ages referred to in an abridged table we can (with a small arbitrary adjustment at the end of the table to be referred to later), by finding ${}_5k_x \times l_x$ or ${}_{10}k_x \times l_x$ at each age, ascertain $(l_x + l_{x+1} \ldots + l_{x+4}) + (l_{x+5} + \ldots + l_{x+9}) + \ldots\ldots$ up to the end of life. This sum divided by l_x gives the mean after life-time ($\mathring{e}_x$) plus half a year.

9. We have, therefore, to obtain a series of equations connecting k and p for five-year or ten-year groups in the same manner as equations connecting p with r were found in paragraphs 5 and 6. Diagram III. shows the general curve connecting k and p for five-year groups from $p = 1\cdot 000$ to $p = \cdot 974$, and Diagram IV. the corresponding general curve for ten-year groups from $p = 1\cdot 00$ to $p = \cdot 03$. We make use of the fact that $p = 1\cdot 0000$ necessarily implies $k = 5\cdot 00$ or $10\cdot 00$ as the case may be.

It was thought at first that it would not be altogether satisfactory to use the data for females with those for males in deriving an equation connecting p with k, and those worked out were based upon the male data only. These equations, however,

when applied to female figures were found to give quite good results and have accordingly been used throughout.

As in dealing with five-year groups only up to age (20–25) it does not appear likely that values of p less than ·9750 will be met with, one equation between k and p will cover the whole range for five-year groups. For this the following data were employed :—

EXPERIENCE OF ENGLAND AND WALES, 1910–12. (From Life Table.)

Age x.	${}_5p_x$.	${}_5k_x$.	${}_5k_x$ *calculated by equation.*
	1·0000	5·000	5·000
10	·9904	4·981	4·981
15	·9861	4·974	4·973
20	·9814	4·964	4·964
25	·9788	4·959	4·959
30	·9737	4·950	4·950

These values of p and k lead to the equation $k = 3{\cdot}0914 + 1{\cdot}9084p$. (C.)

The formula reached by taking the corresponding female data was $k = 3{\cdot}0771 + 1{\cdot}9226p$. Within the range of values of p used, these equations give nearly the same values of k.

The value of p used was the value given by the Life Table and not the one determined empirically by means of the death-rate as in earlier paragraphs.*

The "fit," it will be noticed, is almost perfect.

For determining the equations to give ${}_{10}k_x$ the curve (Diagram IV.) was divided into five portions with the following ranges of p :—(i) 1·00–·90, (ii) ·90–·80, (iii) ·80–·55, (iv) ·55–·20, and (v) under ·20. There is no merit in employing these particular ranges. They were adopted because of the observations at hand, and are justified by results. In each case the parabola of the second order gave appreciably better "fit" than the straight line. The equations are :—

Range of p.	*Equation.*	
1—·90	$k = 6{\cdot}7367 + 1{\cdot}36832\ (p + {\cdot}5443)^2$ . . (i)	(D)
·90—·80	$k = 14{\cdot}2145 - {\cdot}85730\ (3{\cdot}2225 - p)^2$ . . (ii)	
·80—·55	$k = 14{\cdot}4520 - {\cdot}87293\ (3{\cdot}2566 - p)^2$ . . (iii)	
·55—·20	$k = 8{\cdot}8550 - 5{\cdot}6745\ (\ {\cdot}9258 - p)^2$ . . (iv)	
Under ·20	$k = 6{\cdot}1485 - 39{\cdot}9340\ (\ {\cdot}2811 - p)^2$ . . (v)	

The junctional values are :—

$p = {\cdot}9$	(i) 9·591	(ii) 9·590
$p = {\cdot}8$	(ii) 9·183	(iii) 9·184
$p = {\cdot}55$	(iii) 8·057	(iv) 8·054
$p = {\cdot}20$	(iv) 5·866	(v) 5·886

The differences, generally small, are of little practical consequence.

These equations enable us to determine the years of life lived after any age x except for the contribution of the years after age 95. This latter is of so little importance in the value of $\mathring{e}_x$ at ages under 65, or even later, that it can be arbitrarily chosen. Throughout the examples given it has been taken as 3 times the number living at age 95, this being approximately the figure shown by the experience of England and Wales, 1910–12.

10. We will now describe by an example the process of applying the equations shown in previous paragraphs to the construction of an abridged Life Table (the l_x and the $\mathring{e}_x$ columns) at ages over 10. The example we choose is that of the Life Table for females for London, 1891–1900. The ordinary death-rates in age groups are shown in the second column in Table I., alongside the group to which they refer. The first three of these relate to five-year groups and must have Equations A (paragraph 5) † applied to them. The death-rate 10–15 being ·00248, Equation A(i) must be used,

* Equations could, of course, be found to express k in terms of the corresponding death-rates, but there is no advantage in doing this.

† All the equations involved are collected in Appendix I.

and gives ${}_5p_{10} = \cdot 98783$. For the 15–20 group the rate is ·00294, and A(i) is again the equation to be used; it gives ${}_5p_{15} = \cdot 98558$.

TABLE I.

EXAMPLE OF WORKING INVOLVED IN EMPIRICAL METHOD. FOR AGE 10 AND UPWARDS.

London. 1891–1900. *Females.*

Age Group.	Death-rate (r).	Chance of surviving throughout Period (${}_np_x$).	l_x.	$(l_x+l_{x+1}+\ldots l_{x+n-1})\div l_x = {}_nk_x$.	$l_x \times k_x = \mathrm{L}'_x$.	$\mathrm{S}(\mathrm{L}'_x) = \mathrm{T}'_x$.	$\overset{\circ}{e}_x = \frac{\mathrm{T}'_x}{l_x} - \frac{1}{2}$	$\overset{\circ}{e}_x$ in extended Table.
(1)	(2)	(3)	(4) *	(5)	(6)	(7)	(8)	(9)
10–15	·00248	·98783	(10) 10,000·0	4·9766	49766	520021	51·50	51·49
15–20	·00294	·98558	(15) 9,878·3	4·9723	49118	470255	47·10	47·10
20–25	·00346	·98222	(20) 9,735·9	4·9659	48348	421137	42·76	42·77
25–35	·00565	·94493	(25) 9,562·8	9·7714	93442	372789	38·48	38·46
35–45	·01068	·89741	(35) 9,036·2	9·5799	86566	279347	30·41	30·42
45–55	·01712	·83984	(45) 8,109·2	9·3475	75801	192781	23·27	23·29
55–65	·03101	·7262	(55) 6,810·4	8·8627	60359	116980	16·68	16·72
65–75	·06344	·5119	(65) 4,945·7	7·883	38987	56621	10·95	11·01
75–85	·1346	·2226	(75) 2,531·7	6·049	15314	17634	6·47	6·57
85 and up	·2658	·0477	(85) 563·6	3·973	2239	2320	3·62	3·75
—	—	—	(95) 26·9	3·00	81	—	—	—

The rate ·00346 for the group 20–25 requires Equation A (ii) and gives ${}_5p_{20} = \cdot 98222$. These values are shown in the third column.

After age 25, all the rates are for ten-year groups, and Equations B must be used. The appropriate equation for the 25–35 group—death-rate ·00565—is B (ii) and gives ${}_{10}p_{25} = \cdot 94493$.

The rate ·01068 at 35–45 requires B (iii) and gives ${}_{10}p_{35} = \cdot 89741$
,, ,, ·01712 at 45–55 ,, B (iv) ,, ,, ${}_{10}p_{45} = \cdot 83984$
,, ,, ·03101 at 55–65 ,, B (v) ,, ,, ${}_{10}p_{55} = \cdot 7262$
,, ,, ·06344 at 65–75 ,, B (v) ,, ,, ${}_{10}p_{65} = \cdot 5119$
,, ,, ·1346 at 75–85 ,, B (vi) ,, ,, ${}_{10}p_{75} = \cdot 2226$

Finally, the rate ·2658 for 85 and upwards requires Equation B (vii) (p. xii), and gives

$$\log {}_{10}p_{85} = -1\cdot 321183.$$

This must be written $\bar{2}\cdot 678817$, whence ${}_{10}p_{85} = \cdot 0477$.

It is, of course, quite unnecessary to use the equations at all, since the tables given on pp. xxxvii–xlii show the values of p at once alongside those of r. Before these tables were constructed the equations had to be used as here described.

The p_x column being completed from age 10, the l_x column can be constructed by starting with a population of, say, 10,000 at age 10. Then

$$l_{15} = l_{10} \times {}_5p_{10} = 10{,}000 \times \cdot 98783 = 9878\cdot 3.$$
$$l_{20} = l_{15} \times {}_5p_{15} = 9878\cdot 3 \times \cdot 98558 = 9735\cdot 9.$$

and so on down the column, which is readily completed.

The next step is to determine the k_x column, shown fifth. The first three values of p, referring to five-year periods, must have Equation C (paragraph 9) applied to them and give ${}_5k_{10} = 4\cdot 9766$, ${}_5k_{15} = 4\cdot 9723$ and ${}_5k_{20} = 4\cdot 9659$.

The other values, relating to ten-year periods, require the appropriate equation from Equation D.

For 25–35 $p = \cdot 9449$ D (i) is the equation and gives ${}_{10}k_{25} = 9\cdot 7714$
,, 35–45 $p = \cdot 8974$ } D (ii) ,, ,, ,, { ${}_{10}k_{35} = 9\cdot 5799$
,, 45–55 $p = \cdot 8398$ } { ${}_{10}k_{45} = 9\cdot 3475$
,, 55–65 $p = \cdot 7262$ D (iii) ,, ,, ,, ${}_{10}k_{55} = 8\cdot 8627$
,, 65–75 $p = \cdot 5119$ } D (iv) ,, ,, ,, { ${}_{10}k_{65} = 7\cdot 883$
,, 75–85 $p = \cdot 2226$ } { ${}_{10}k_{75} = 6\cdot 049$
,, 85–95 $p = \cdot 0477$ D (v) ,, ,, ,, ${}_{10}k_{85} = 3\cdot 973$

* The decimals are put in for working purposes, but are not retained in the final Table.

Finally ${}_{10}k_{95}$ (equals $\mathring{e}_{95}$ plus half a year—see paragraph 8) is taken at 3·00.

The sixth column—called the L_x' column—shows the products of corresponding numbers in columns (4) and (5). Summing this upwards from the bottom we obtain the seventh or T_x' column. The number corresponding to any particular age in this column divided by l_x gives the value of $\mathring{e}_x$ plus half a year. The values of $\mathring{e}_x$ for the various ages are accordingly written down in column (8).

The comparison of the values of l_x and e_x with those ascertained by the extended method (Report of the Medical Officer of Health for London 1901, Appendix I., pp. 22–27) is as follows :—

Age.	l_x.		$\mathring{e}_x$. (Years.)	
	Empirical Method.	Extended Table.	Empirical Method.	Extended Table.
10	10,000	10,000	51·50	51·49
15	9,878	9,877	47·10	47·10
20	9,736	9,732	42·76	42·77
25	9,563	9,565	38·48	38·46
35	9,036	9,027	30·41	30·42
45	8,109	8,103	23·27	23·29
55	6,810	6,807	16·68	16·72
65	4,946	4,952	10·95	11·01
75	2,532	2,545	6·47	6·57
85	564	580	3·62	3·75

The agreement in this case is excellent for the $\mathring{e}_x$ column—far closer than is requisite for the purposes of a Medical Officer of Health. Agreement is not so good after age 55, but the value of an accurate knowledge of $\mathring{e}_x$ is not great after that age. The discrepancy between corresponding values of l_x, too, is quite small except at the relatively unimportant high ages.

11. The results derived in each of the 28 examples to which the method has been applied are compared with the results by extended methods (except in the case of the five towns, Liverpool, Manchester, Sheffield, Leeds, and Bristol, where the comparison is with figures computed from tables found by Mr. King's short method*) in Tables A—E. In the case of the five towns mentioned the comparison is not quite appropriate. Mr. King's method gives values at ages 12, 17, 22, etc., and interpolation was necessary to discover the values for ages 15, 20, 25, etc.—with which to compare those by the empirical method.

The extent to which the final function—$\mathring{e}_x$—compares over the series of Tables is indicated by the following :—

TABLE II.

AVERAGE DIFFERENCE BETWEEN THE VALUES OF $\mathring{e}_x$ AS DETERMINED EMPIRICALLY AND AS DETERMINED BY OTHER METHODS. (YEARS.)

	Age								
	10	15	20	25	35	45	55	65	75
10 Extended Tables, Decennial Periods (*See* Table B)	·03	·03	·03	·03	·03	·03	·04	·04	·07
8 Extended Tables for 1911–1912 (*See* Table D)	—	·02	·02	·02	·04	·02	·02	·04	·04
10 Abridged Tables for 1911–1912 (*See* Table E)	—	·04	·04	·06	·05	·05	·04	·06	·07

It should be borne in mind that the comparison in the case of the last row of figures is with results interpolated from other abridged tables relating to a different set of ages, and it is probable that, at least at higher ages, the interpolation is not altogether satisfactory.†

* Part I of this Supplement, pp. 26–33.

† For example, the death-rates at ages over 85 for Liverpool and Bristol (Males, 1911–12) were ·28460 and ·30854 respectively. We should anticipate, therefore, that $\mathring{e}_{85}$ should be greater for the former than the latter. The interpolated figures, however, are 3·04 for Liverpool and 3·38 for Bristol. Other similar instances may be noticed.

The empirical method gives best results in the case of certain large populations—London, County Boroughs, Urban Districts, and Rural Districts—for 1911–12, a period almost the same as that upon which the equations were based. The differences in the case of the tables relating to decennial periods (6 belonging to 1891–1900) are rather larger, and it appears that the empirical method is likely to give best results when applied to an experience close in point of time to that on which the equations are based. We are not inclined to consider that the larger figures shown in the third row above necessarily denote that the errors, when the method is applied to populations of such towns as Liverpool, Manchester, etc., are likely to be bigger than when it is applied to the contemporaneous experience of larger populations.

On the whole the figures amply justify the claim that the formulæ will reproduce the abridged Life Table to such a degree of accuracy that the difference between the values of $\mathring{e}_x$ as given by the formulæ and by the much longer methods usually employed is unlikely to exceed a month, at any rate for ages between 10 and 65. It is hardly a case where percentage errors are relevant, since an error in determining $\mathring{e}_x$ at high ages, even though proportionally large, is relatively unimportant. We may note, however, that the average difference of ·03 of a year at age 10 is only ·06 per cent. of the value of $\mathring{e}_{10}$ of the 1910–12 Table for England and Wales (males). At age 45 the same error is ·12 per cent.

12. For many purposes it is unnecessary to complete a Life Table through the years of childhood back to birth. The majority of the tables required by actuaries deal with the period of life after age 15 or 20, and Mr. King's abridged method has been exemplified only after age 11 or 12. Medical Officers of Health, however, are probably as much interested in a knowledge of the expectation of life at birth as at age 15 or 20, and a short method to be of use to these officers should be capable of constructing the whole table in an abridged form. It is certainly more difficult to obtain values of $\mathring{e}_x$ for the first five years of life, but the empirical method here described can be applied, and gives results which are probably sufficiently satisfactory for the purpose in hand. Only 10 of the 28 tables used in comparison in previous paragraphs have been taken back to age 0 by the standard methods, and accordingly the examples which can be given of the empirical method when applied to the early period of life are limited to this number.

We deal first with formulæ for the period 5–10, these allowing tables to be completed from age 5.

(*a*). For the equation connecting the chance of survival (p) with the death-rate (r) we must have observations which will cover the whole of the likely range of values of the death-rate in the period 5–10 in the populations to the experiences of which the equations are to be applied. This range can be covered from the experience of England and Wales, 1910–12, by taking the values given for the 5-year periods 2–7, 3–8, 4–9, 5–10, 6–11, 7–12 (*see* Table γ, p. xxxii). No population has been noticed which in recent years had a higher death-rate (5–10) than had England and Wales in 1910–12 for the male group (2–7) (·00735 per unit of population), nor a lower one than had the latter in the male group (7–12) (·00224 per unit population). Accordingly, from the data referring to the male experience collected in Table γ, the equation connecting p with r was worked out. A linear equation was found to be sufficient for the purpose, and is :—

$$p = \cdot 99838 - 4 \cdot 68181r.$$

The mean value of Δ (see paragraph 3) given by this equation is ·00016, or less than 2 in the fourth place of decimals. This equation, too, was found to fit the corresponding female data quite well, the mean value of Δ when it was applied to those data being only ·00011, and it has, throughout, been used for the experiences of female populations as well as for male.

(*b*). To cover the range of values required for the equation connecting k with p data were taken from the Life Table England and Wales, 1910–12, males, referring to the same age-groups as were employed in (*a*). A linear equation gives almost perfect fit to the degree of accuracy required, the one found being :—

$$k = 2{\cdot}2504 + 2{\cdot}7556p.$$

the mean value of Δ being ·0008.

We can now extend our Life Tables back to age 5 (*see* example in paragraph 15), the results for ten tables referring to decennial experiences being stated below. It is convenient, in order to fit in with the form of the results found for higher ages, to keep the value of l_x at age 10, previously used, viz., 10,000.

TABLE III.

COMPARISON OF THE l_x AND $\mathring{e}_x$ VALUES FOR AGE 5 AS FOUND BY EXTENDED AND EMPIRICAL METHODS IN THE CASES OF 10 LIFE TABLES.

Experience.			l_x.		$\mathring{e}_x$.	
			Empirical Method.	Extended Method.	Empirical Method.	Extended Method.
England and Wales	1901–1910	M. ...	10,182	10,168	55·81	55·90
,,	,,	F. ...	10,188	10,176	58·45	58·53
England and Wales	1891–1900	M. ...	10,223	10,218	53·51	53·50
,,	,,	F. ...	10,226	10,221	55·81	55·79
London	1901–1910	M. ...	10,181	10,173	54·84	54·82
,,	,,	F. ...	10,182	10,173	58·63	58·63
London	1891–1900	M. ...	10,255	10,249	51·64	51·60
,,	,,	F. ...	10,265	10,258	55·09	55·12
Selected Healthy Districts	1891–1900	M. ...	10,167	10,160	58·18	58·26
,, ,, ,,	,,	F. ...	10,170	10,162	59·49	59·53

Average difference between values of $\mathring{e}_x$ = ·04 years.

The worst results, so far as $\mathring{e}_x$ is concerned, are those for England and Wales, 1901–10, for which quite good results have been found at ages 10 and upwards. On the whole however, the values found are considerably within the limit of accuracy sought for, the average difference between the two sets of values of $\mathring{e}_x$ being ·04 of a year, or about two weeks.

13. The most difficult period to deal with in the construction of a Life Table is the first five years of life. It is true that the other end of life gives, by ordinary methods, more difficulty than the centre of the table, but the results for old age are relatively unimportant and great accuracy need not be sought for. The first efforts made attempted to deal with the period 0–5 as a whole, one equation being found to give the chance of living to age 5 in terms of the death-rate 0–5. Clearly, however, we cannot get an equation able to cover the range of values of the death-rate 0–5 likely to be found in sub-populations by taking the experiences of various of the quinquennial groups for England and Wales, 1910–12. The largest death-rate in a quinquennial group given by the latter experience (during the portion of life in which mortality diminishes with age) is necessarily that for the 0–5 group, viz., ·04099 per unit population, and this is much less than the value given by some of the experiences of populations to which it is desired to apply the equations, *e.g.*, London (males), 1901–10, ·05355, and London (males), 1891–1900, ·07197 per unit population. The difficulty could be overcome at the cost of being inconsistent with the remainder of the procedure by basing the equation upon the experiences of a number of populations, these including some so far distant from the present time that any likely death-rate (0–5) for 1901–10 or 1910–12 would be included in the range. Thus, by including the experience of London (males), 1891–1900, in the data on which the equation was based we should be able to apply the equation to such high mortality towns as Manchester and

Liverpool for 1901–10 and 1910–12. But this would be unsatisfactory and would leave very few examples by which results could be compared.

To overcome the difficulties met with in dealing with the group 0–5 as a whole we can divide the period 0–5 into parts, those which fit into the scheme of grouping being, 0–1, 1–2, and 2–5. Accordingly, to complete the table to birth, the values of the functions at ages 2 and 1 are also to be found.

The only criterion by which to test the value of the empirical method is, of course, the corresponding set of figures found by extended methods. In the opinion of the writer, however, the standard of comparison when used for the first five years of life may be a poor one. One reason for this applies to the whole of the period, and another only to the values found for the first year. Two methods have been used by authorities in constructing tables relating to the first five years of life. The difference between these methods consists in the manner in which the population at risk is computed. In one case the population as enumerated at a census is employed as the basis, and in the other the population at risk in each year in the first few years is calculated from a knowledge of the numbers of births in the years in and previous to the period dealt with and of the deaths at each year of age at the same time. The latter is the method which is now viewed with most favour, but the values of l_x and of $\mathring{e}_x$ are likely to differ appreciably if the other method be employed.

The second point we refer to concerns only the first year of life and is one which causes us to anticipate a large difference between the values of $\mathring{e}$ at birth as found by the empirical method and an extended one, and the writer is not disposed to consider the discrepancy as a deficiency of the empirical method. If our table related to the experience of a very long period of life, say 100 years, and if the registration of births and of deaths in the first year of life were perfect, the actually correct value of p_0—the chance of living a year from birth—would be given by the infantile mortality as usually expressed, viz., the proportion of deaths under 1 to a birth. In the case of a ten-year period this would not be quite so accurate, because a small number of the deaths occurring in the ten years belong to births just before the beginning of the period (in the case of a period of 100 years this number is negligible). But the error introduced by this must be very small, and if the experience as regards births of the last of the ten years is the same as that of the one before the first it vanishes altogether.* Even for a three-year period we should not anticipate that the true value of p_0 (if it could be found) would differ much from the value deduced from a knowledge of the usual measure of the infantile mortality. When we compare the values of p_0 given by various tables with the values deduced from the infantile mortality of the respective populations, we get some appreciable differences. The figures are quoted on the opposite page.

The differences are generally significant in the third place of decimals, and occasionally in the second. It will be noticed, too, that the discrepancy in the case of the three-year period, 1910–12, is less than that of the ten-year period, 1901–10 (England and Wales), and very much less than some of the other differences. If the figure in the last column be taken as the value of p_0, quite appreciable differences in the value of $\mathring{e}_0$ are found, in some cases exceeding ·50 of a year. It is, no doubt, a pure matter of opinion, but we are inclined to think that, on the whole,

* It is important to note that the error is proportional, approximately, only to the difference between the numbers of births in the six months preceding the period and the last six months of it expressed as a fraction of the total births in the period. The fact that the infantile mortality in the two six months' intervals referred to may widely differ does not affect this. The differences between the figures shown for 1901–10 cannot be explained by the fact that infantile mortality in 1900 was much higher than in 1910.

Experience.			Chance of living 1 year from Birth.	
			By Extended Table (p)	Deduced from Infantile Mortality (p')
England and Wales	1910–1912	M ...	·87956	·87860
,, ,,	,,	F ...	·90233	·90157
England and Wales	1901–1910	M ...	·85566	·85971
,, ,,	,,	F ...	·88257	·88568
England and Wales	1891–1900	M ...	·82814	·83222
,, ,,	,,	F ...	·85934	·86164
London	1901–1910	M ...	·84797	·86116
,,	,,	F ...	·87448	·88535
London	1891–1900	M ...	·81588	·82805
,,	,,	F ...	·84569	·85464
Selected Healthy Districts	1891–1900	M ...	·87850	·88053
,, ,, ,,	,,	F ...	·90492	·90552

the value deduced from the infantile mortality gives a closer approximation to the true value of p_0 than does the process of graduation usually employed.

14. The method by which the table has been completed is as follows:—

(i) For the period 2–5, equations have been derived for p and k exactly as in the cases of five- and ten-year periods before employed.

(ii) For the single year 1–2, an equation has been derived for p not directly in terms of the death-rate, but in terms of a convenient function of the death-rate which for a period of a single year is more suitable and which gives improved results. For a period of a single year, k is, of course, unity.

(iii) For the year of life 0–1, the value of p has been deduced from the infantile mortality.

(i) To cover the range required for the group 2–5, the data for England and Wales, 1910–12 (Males), for the groups 1–4, 2–5, 3–6, and 4–7 were used (*see* Table γ). A linear equation between p and r was sufficient and was found to be:—

$$p = \cdot 99883 - 2\cdot 78684r.$$

The mean value of Δ was ·00015, while when the equation was applied to the corresponding female data the mean value of Δ was ·00017.

Similarly the equation found connecting k with p to hold for the period 2–5 was

$$k = 1\cdot 4959 + 1\cdot 5105p, \text{ mean } \Delta = \cdot 00035.$$

By means of these equations, the ten tables previously referred to can be completed to age 2 (*see* example, paragraph 15), the results being as follows:—

Table IV.

Comparison of the l_x* and $\mathring{e}_x$ Values for Age 2 as found by Extended and Empirical Methods in the Cases of Ten Life Tables.

Experience.			l_x.		$\mathring{e}_x$.	
			Empirical Method.	Extended Method.	Empirical Method.	Extended Method.
England and Wales	1901–1910	M ...	10,514	10,516	56·99	57·00
,, ,,	,,	F ...	10,514	10,517	59·58	59·58
England and Wales	1891–1900	M ...	10,661	10,678	54·23	54·12
,, ,,	,,	F ...	10,658	10,674	56·48	56·34
London,	1901–1910	M ...	10,562	10,563	55·80	55·73
,,	,,	F ...	10,557	10,557	59·49	59·43
London,	1891–1900	M ...	10,853	10,866	51·72	51·57
,,	,,	F ...	10,854	10,871	55·00	54·91
Selected Healthy Districts,	1891–1900	M ...	10,403	10,409	59·80	59·83
,, ,, ,,	,,	F ...	10,401	10,400	61·12	61·13

* The radix for l_x (10,000 at age 10) previously used has been retained.

The average difference between corresponding values of $\mathring{e}$ over the ten tables is ·067 of a year. This is larger than the difference found at other ages, but assuming that the extended tables correctly describe the true state the degree of accuracy is still not in excess of the limit sought for, say, 1 month or ·083 of a year.

(ii) In deriving equations suitable for the period 1–2, a modification of method was made. Instead of expressing the chance of surviving the one year from age 1 in terms of the death-rate (r) in the year 1–2, it was expressed in terms of the function $\frac{2-r}{2+r}$. The reason for this was that, in the ideal case, for which r (the observed death-rate) is equal to m (the corresponding Life Table death-rate) p is exactly the function stated. This is well known, and can be shown as follows :—

The Life Table death-rate in the year (1–2) is $\frac{2(l_1 - l_2)}{l_1 + l_2}$, and the chance of surviving 1 year from age 1 is $\frac{l_2}{l_1}$,

i.e., $$m = \frac{2(l_1 - l_2)}{l_1 + l_2}, \quad p = \frac{l_2}{l_1}.$$

Hence $$\frac{1 - \frac{m}{2}}{1 + \frac{m}{2}} = \frac{l_2}{l_1}, \text{ or}$$

$$p = \frac{2 - m}{2 + m}.$$

Now m is not the same as the crude death-rate (r) which is available, but differs from it only through the process of graduation. The relationship between p and $\frac{2-m}{2+m}$ is exactly represented by a linear equation, and we may readily anticipate that the relationship between p and $\frac{2-r}{2+r}$ ($= \Pi$, say) may be very closely represented by a linear equation.

The whole of the likely range for the group (1–2) is covered by taking the data for England and Wales, 1910–12, both Males and Females for the groups (0–1) (1–2) and (2–3) (*see* Table γ), and the equation connecting p with Π was found to be

$$p = \cdot 07434 + \cdot 92488\ \Pi,$$

the mean value of Δ being ·0003.

The value of k for this case is, of course, unity.

The ten Life Tables can now be further completed up to age 1 (*see* example paragraph 15), the results being as follows :—

TABLE V.

COMPARISON OF THE l_x AND $\mathring{e}_x$ VALUES FOR AGE 1 AS FOUND BY EXTENDED AND EMPIRICAL METHODS IN THE CASES OF TEN LIFE TABLES.

Experience.			l_x		$\mathring{e}_x$	
			Empirical Method.	Extended Method.	Empirical Method.	Extended Method.
England and Wales	1901–1910	M ...	10,961	10,958	55·70	55·68
,, ,,	,,	F ...	10,921	10,929	58·34	58·31
England and Wales	1891–1900	M ...	11,240	11,278	52·39	52·22
,, ,,	,,	F ...	11,199	11,229	54·73	54·53
London,	1901–1910	M ...	11,075	11,089	54·19	54·06
,,	,,	F ...	11,042	11,054	57·85	57·74
London,	1891–1900	M ...	11,596	11,630	49·37	49·15
,,	,,	F ...	11,542	11,577	52·69	52·53
Selected Healthy Districts	1891–1900	M ...	10,697	10,710	59·14	59·13
,, ,, ,,	,,	F ...	10,673	10,678	60·55	60·53

The average difference between corresponding values of e over the ten tables is rather less than ·11 of a year. As for age 2, the difference is greatest for the England and Wales and London tables relating to 1891–1900.

(iii) To complete the tables to age zero we use the infantile mortality per single birth to give the chance of dying in the first year of life. A modification, however, is required in determining the number of years of life lived in the first year. Our method so far has been equivalent to assuming that, while those who survive the year live a whole year in the group, those who die in the year live, on the average, half a year in it. This latter fact does not hold for the first year of life, and we shall assume that the average duration of life lived by those who die in the first year is the same in every case as for England and Wales in 1910–12, viz., ·2646 years for Males and ·2871 for Females.* This is not quite true, but the error introduced by the assumption is very small, since this contribution to the total years lived throughout life is small compared with the total.

Reference to the example worked in paragraph 15 shows how the table is completed, and the results we find are as follows :—

TABLE VI.

COMPARISON OF THE l_x AND $\mathring{e}_x$ VALUES AT BIRTH AS FOUND BY EXTENDED AND EMPIRICAL METHODS IN THE CASES OF TEN LIFE TABLES.

Experience.			l_x		$\mathring{e}_x$	
			Empirical Method.	Extended Method.	Empirical Method.	Extended Method.
England and Wales	1901–1910	M. ...	12,749	12,807	48·78	48·53
,, ,,	,,	F. ...	12,331	12,383	52·59	52·38
England and Wales	1891–1900	M. ...	13,507	13,618	44·48	44·13
,, ,,	,,	F. ...	12,997	13,067	48·06	47·77
London	1901–1910	M. ...	12,861	13,077	47·56	46·74
,,	,,	F. ...	12,472	12,641	52·14	51·41
London	1891–1900	M. ...	14,004	14,255	41·76	40·98
,,	,,	F. ...	13,506	13,689	45·93	45·33
Selected Healthy Districts	1891–1900	M. ...	12,148	12,191	52·99	52·87
,, ,, ,,	,,	F. ...	11,786	11,800	55·77	55·71

The differences between the corresponding values found are here quite considerable. As stated before, however, we believe the extended method in each case to give results deviating appreciably from the truth for the first year of life. We have therefore worked out the values obtained by picking up the Life Table as worked out by the extended methods up to age 1 and completing it by using the value of p_x for the first year of life that we have used in the empirical method, viz., unity minus (deaths in first year of life divided by births).

*To agree with the procedures used for other ages we want to find L_0' (*see* example in paragraph 15) where

$$T_0' = L_0' + T_1'$$

Now

$$T_0' = T_0 + \tfrac{1}{2} l_0$$

$$T_1' = T_1 + \tfrac{1}{2} l_1$$

so that

$$L_0' = T_0' - T_1' = T_0 - T_1 + \tfrac{1}{2}(l_0 - l_1)$$

$$= L_0 + \tfrac{1}{2}(l_0 - l_1)$$

$$= l_1 + x(l_0 - l_1) + \tfrac{1}{2}(l_0 - l_1)$$

where x is the average life lived by those who die in the first year, viz. ·2646 for Males and ·2871 for Females.

Thus

$$L_0' = (\cdot 5 - x)\, l_1 + (\cdot 5 + x) l_0.$$

The comparison of results now is as follows :—

Experience.			l_x.			$\mathring{e}_x$.		
			Empirical Method.	Modified Extended Method.	Extended Method.	Empirical Method.	Modified Extended Method.	Extended Method.
England and Wales,	1901–1910	M. ...	12,749	12,746	12,807	48·78	48·76	48·53
" "	"	F. ...	12,331	12,340	12,383	52·59	52·57	52·38
England and Wales,	1891–1900	M. ...	13,507	13,551	13,618	44·48	44·33	44·13
"	"	F. ...	12,997	13,032	13,067	48·06	47·89	47·77
London,	1901–1910	M. ...	12,861	12,876	13,077	47·56	47·45	46·74
"	"	F. ...	12,472	12,476	12,641	52·14	52·03	51·41
London,	1891–1900	M. ...	14,004	14,045	14,255	41·76	41·57	40·98
"	"	F. ...	13,506	13,546	13,689	45·93	45·79	45·33
Selected Healthy Districts,	1891–1900	M. ...	12,148	12,163	12,191	52·99	52·98	52·87
" " "	"	F. ...	11,786	11,792	11,800	55·77	55·74	55·71

The agreement between the "empirical method" and the "modified extended method" is, as of course it should be, quite good, the average difference between corresponding values of $\mathring{e}_x$ being ·086 of a year. But the point to bring out from the above table is the very considerable discrepancy between the values given by the "extended method" and by the "modified extended method." It may be noted that the figures for $\mathring{e}_x$ by the former are always less than those by the latter, and if it be generally held that the use of the figure denoting the infantile mortality leads to a value of p_0 near the truth, it follows that the ten tables to which we refer all understate the mean average life-time after birth. We are not disposed to consider the differences between the figures by the "empirical method" and the "extended method" given in the last table as evidence of deficiencies in the former.*

If the object be to get as close as possible to the values given for age 0 by the extended tables by the use of a short method better results than those shown can be reached. Thus, referring to the columns of figures at the top of p. xix, if we take those relating to England and Wales, 1910–12, and express p in terms of p', the chance of living a year as given by the

* If the births and deaths under age 1 are fully and correctly registered, a measure of $q_0(=1-p_0)$ rather better than that given by the infantile mortality rate is for, say, the ten-year period 1901–1910 (deaths under one in the ten years) divided by (births in 9 years 1901–1909 plus ½ births in 1900 plus ½ births in 1910).

For the two England and Wales Tables this leads to the following comparison :—

Experience.			p_0.	
			By Actual Infantile Mortality Rate.	By Modified Infantile Mortality Rate
England and Wales	1901–1910	M ...	·8597	·8599
" "	"	F ...	·8857	·8859
England and Wales	1891–1900	M ...	·8322	·8320
" "	"	F ...	·8616	·8612

The agreement between these sets of figures is quite good. A better approximation would be given by taking the births in the last six months of 1900 and first six months of 1910 instead of half the total births in each of these years, but the agreement noted indicates that if a Medical Officer of Health believes the births and deaths under one are fully registered in the period under consideration he can with confidence take the value of one minus the infantile mortality rate per single birth as giving the chance of surviving the first year.

The method just referred to was touched upon by the Medical Officer of Health for London (Report 1901, Appendix I, pp. 4, 5) when constructing his table for 1891–1900. But he modified the figures so that the total population under 5 used for the Life Table was the same as that enumerated, and this caused a considerable alteration in the value of p_0—from ·8281 to ·8159 for Males. We think the general method there used is the best yet proposed, but believe it is undesirable to modify the size of the population exposed in the first five years as given by the births and deaths registered, to agree with the population under 5 as given by the censuses. See *Census of England and Wales*, 1901, Vol. VII, p. xliv, where it is shown that the two populations differ by nearly 3 per cent. The difficulty appears to be that many (7 per cent.) in the first two years of life escape the census; the deficiency should not, therefore, be spread proportionally over the five years.

infantile mortality (assuming that the value p equal unity would be accompanied with the same value of p') by a linear equation, the relationship found is—

$$p = 1{\cdot}00738p' - {\cdot}00738.$$

When this equation is applied to the other eight cases the results are : ·8586, ·8848, ·8310, ·8606, ·8601, ·8844, ·8267, ·8535, ·8796, and ·9048 respectively. In each case the number is closer to p than p' is, and an improvement, in some cases not large, could in this way be effected.

Another point to which we should refer at the present stage is this : We have, in dealing with the age periods 1–2 and 2–5, used rates based upon census populations, though we hold at the same time that these latter are defective. In order that the criticism should have no weight it is necessary to assume that the defect is distributed proportionally to that for the whole country among the various sub-populations to which the method is to be applied. There is no method of investigating this, but the assumption does not appear to be unreasonable. If it ever becomes general to base local rates at ages under 5 upon populations computed from the numbers of births and deaths, new equations can readily be found. In this paper we are obviously restricted to the method used.

15. It will be convenient here to complete the example used in paragraph 10 back to age 0. The table from age 10 onwards is shown in Table I, and the connecting links we want are $l_{10} = 10{,}000$, and $T_{10}' = 520{,}021$. These are shown at the bottom of the accompanying Table VII.

TABLE VII.

EXAMPLE OF WORKING INVOLVED IN EMPIRICAL METHOD, *cont.*—*London* 1891–1900, *Females.*

Age Group.	Infantile Mortality per Birth.	p_0.	l_0.	·7871 l_0 + ·2129 l_1.*		T_0'	$\mathring{e}_0$.
0–1	1454	·8546	(0) 13506	13088		627049	45·93
Age Group.	$\frac{2-r}{2+r}$.	p_1.	l_1.	k.	L_1'.	T_1'.	$\mathring{e}_1$.
1–2	·9364	·9404	(1) 11542	1·0	11542	613961	52·69
Age Group.	Death-rate (r).	Chance of Surviving throughout period (p).	l_x.	k_x.	$L_x' = l_x \times k_x$.	T'_x.	$\mathring{e}_x$.
2–5	·01908	·9457	(2) 10854	2·9244	31741	602419	55·00
5–10	·00517	·9742	(5) 10265	4·9349	50657	570678	55·09
—	—	—	(10) 10000	—	—	520021	51·50

* For Males, take ·7646 l_0 + ·2354 l_1.

We work from the bottom upwards, and the various equations will be found collected in Appendix I.

The death-rate (5–10) being ·00517, the corresponding value of p — *i.e.*, ${}_5p_5$—is given by the equation $p = {\cdot}99838 - 4{\cdot}68181r$ (paragraph 12 (*a*)) or $p = {\cdot}9742$, and then the value of k by the equation $k = 2{\cdot}2504 + 2{\cdot}7556p$ (paragraph 12 (*b*)) or $k = 4{\cdot}9349$.

From ${}_5p_5$, l_5 is at once found $\left(= \frac{l_{10}}{{}_5p_5}\right)$, and the product of l_5 and k_5 (50657) gives L_5'. This added to 520021 (T_{10}') gives T_5' and $\mathring{e}_5$ is this number divided by l_5, less half a year.

For the next step, we use the death-rate (2–5), viz. ·01908. The equation for ${}_3p_2$ is (paragraph 14 (i)) $p = {\cdot}99883 - 2{\cdot}78684r$, giving $p = {\cdot}9457$; the equation for k is (paragraph

14 (i)), $k = 1{\cdot}4959 + 1{\cdot}5105p$, giving $k = 2{\cdot}9244$. Hence $l_2 \left(= \frac{l_5}{{}_3p_2}\right)$ is 10854 ; L_2' is 31741 and T_2' is 602419, giving $\mathring{e}_2 = 55{\cdot}00$.

For the next step, the function $\Pi = \frac{2 - r}{2 + r}$ is employed. $r = {\cdot}06572$ (the value of the death-rate (1–2) London Females, 1891–1900) leads to $\Pi = {\cdot}9364$. The equation for p is (paragraph 14 (ii)) ; $p = {\cdot}07434 + {\cdot}92488\Pi$, and gives $p = {\cdot}9404$, and hence $l_1 = 11{,}542$; k being unity, $L_1' = l_1$ and $T_1' = T_2' + 11542 = 613961$. From this $\mathring{e}_1 = 52{\cdot}69$.

For the last step, we take the infantile mortality per birth ($= {\cdot}1454$) and from it obtain $p_0 = {\cdot}8546$ ($= 1 - {\cdot}1454$). From this $l_0 = 13506$. To find the value corresponding to L_0' we take, for Females, $\cdot7871\, l_0 + \cdot2129\, l_1 = 13{,}088$. This gives $T_0' = 627049 = l_0(\mathring{e}_0 + \frac{1}{2})$, so that $e_0 = 45{\cdot}93$ years.

The whole work can, of course, be started from age zero, with a radix $l_0 = 10{,}000$. By the empirical method it is convenient to separate the childhood part from the rest, since a separate equation is required for each of the four groups comprising it, and it will be found that age 10 is generally a suitable starting point.

16. The merit claimed for the empirical method now described is not that it reproduces in an abridged form the final values as given by an extended method with close accuracy but rather that it reproduces those values with sufficient accuracy for practical health purposes *with very considerable saving of time.* It can be particularly recommended in cases where many Life Tables referring to comparatively small populations are required. In such cases the table relating to the whole population may be computed by an extended method, the equations determined from that table by the methods here described and then applied to the smaller populations. We might have illustrated our method, for example, just as well, or better, by taking the data of Sir A. W. Watson's experience of the Manchester Unity Friendly Society.* The equations could have been determined from the experience of the whole Society and then applied to the eleven sub-populations for which tables had been formed. It is true that so far, for ages over 15 (the only ones required in Friendly Societies' tables) the empirical method does not reproduce the value of $\mathring{e}_x$ correct to the second place of decimals while the tables referred to extend to the third place of decimals, but the examples we have shown in no case refer to experiences of just the same epoch as that from which the equations were derived. It may confidently be anticipated that with further investigation closer accuracy may be attained.

Another case to which the empirical method may be recommended is that of Life Tables relating to the experiences of various occupations. Here the original data may suffer from many imperfections and the time taken to apply an extended method hardly justified. But if the material be considered good enough to give ordinary death-rates, the functions of the Life Table can be got from these with little labour by the present method.

It is probable that empirical methods can be usefully employed in other parts of Life Table work. An instance we have dealt with is this : given the values of l_x at ages 15 and 20 determine the value at age 17. This, of course, can readily be done by the usual methods of interpolation, but if it be required for a number of tables relating to sub-populations where the extended table for the whole population exists we think the following will be found shorter and sufficiently accurate. From the extended table take a sufficient number of cases to cover the range likely to be required† and obtain a formula

* An account of an investigation of the Sickness and Mortality Experience of the Independent Order of Oddfellows, Manchester Unity, during the five years 1893–1897.

† In this case the values of ${}_5p_x$ were taken at ages 11, 13, 15, 17, 19, 21, and 23, and the equation worked out from these and ${}_2p_x$ at ages 13, 15, 17, 19, 21, 23, and 25.

(as in earlier paragraphs) expressing ${}_3p_{17}$ (generally ${}_3p_{x+2}$) in terms of ${}_5p_{15}$ (generally ${}_5p_x$). The linear equation found from the data of England and Wales, 1910–12, males was

$$ {}_3p_{x+2} = \cdot 42155 + \cdot 57759 \times {}_5p_x. $$

and the sequence of the deviations indicated that rather better results would be given by taking the second-order equation. Knowing l_{x+5} and ${}_3p_{x+2}$, l_{x+2} can readily be ascertained. This equation was applied to find the chance of living 3 years from age 17 in the case of the 1911–12 experience (males) of London, County Boroughs, Urban Districts, and Rural Districts. The values found were ·9912, ·9899, ·9906, and ·9918 respectively as against values by the corresponding extended tables (*see* Vol. I. of Decennial Supplement, 1901–10) of ·9913, ·9898, ·9905, and ·9918. No doubt, had greater refinement been employed, the values could have been given to four places of decimals. The point we wish to emphasise in this connection is that, when the equation has been determined, the four substitutions necessary are very much shorter than the four interpolations which otherwise would have to be carried out. If there are many sub-populations to be dealt with the time saved may be much more than that involved in reaching the equation.

APPENDIX I.

COMPLETE LIST OF EQUATIONS TO BE USED IN CONSTRUCTING A LIFE TABLE BY THE EMPIRICAL METHOD DESCRIBED.

FOR AGES OVER 10.

To find ${}_5p_x$ or ${}_{10}p_x$.		To find ${}_5k_x$ or ${}_{10}k_x$.	
Range of Death-rate (r).	Equation.	Range of p.	Equation.
Five-Year Groups.			
0 — ·00300	$p = ·99995 - 4·8883r$	1·0 — ·9750	$k = 3·0914 + 1·9084p$
·00300 — ·00370	$p = ·98152 + 5095·5\ (·00383-r)^2$		
·00370 — ·00550	$p = ·95419 + 247·824\ (·01423-r)^2$		
Ten-Year Groups.			
0 — ·00500	$p = ·53505 + 54·279\ \ (·09255-r)^2$	1·0 — ·90	$k = 6·7367 + 1·36832\ (·5443+p)^2$
·00500 — ·00800	$p = ·07286 + 26·8859\ (·18575-r)^2$	·90 — ·80	$k = 14·2145 - ·85730\ (3·2225-p)^2$
·00800 — ·01500	$p = -·43586 + 15·8283\ (·30091-r)^2$	·80 — ·55	$k = 14·4520 - ·87293\ (3·2566-p)^2$
·01500 — ·03000	$p = ·02194 + 22·0192\ (·20985-r)^2$	·55 — ·20	$k = 8·8550 - 5·6745\ (·9258-p)^2$
·03000 — ·07000	$p = ·23118 + 28·6851\ (·16237-r)^2$	Under ·20	$k = 6·1485 - 39·9340\ (·2811-p)^2$
·07000 — ·19000	$p = ·10152 + 16·7940\ (·21951-r)^2$		${}_{10}k_{95} = 3·00$
For period 85 and upwards. $\log {}_{10}p_{85} = ·188106 - 5·67829r$.			

FOR AGES UNDER 10.

5–10.	
${}_5p_5 = ·99838 - 4·68181r$	${}_5k_5 = 2·2504 + 2·7556p$.
2–5.	
${}_3p_2 = ·99883 - 2·78684r$	${}_3k_2 = 1·4959 + 1·5105p$.
1–2.	
$p_1 = ·07434 + ·92488\Pi\ \left(\Pi = \frac{2-r}{2+r}\right)$	$k = 1·00$.
0–1.	
p_0 = (Unity) minus (Infantile Mortality per Birth.)	$k = \begin{cases} ·7646 + ·2354\left(\frac{l_1}{l_0}\right). & \text{Males.} \\ ·7871 + ·2129\left(\frac{l_1}{l_0}\right). & \text{Females.} \end{cases}$

Table A.

Comparison of the l_x Columns of Certain Life Tables relating to the Experiences of Decennial Periods with those determined by Means of the Empirical Formulæ. (After Age 10.)

Age.	England and Wales, 1901–1910.		England and Wales, 1891–1900.		Selected Healthy Districts, 1891–1900.		London, 1901–1910.		London, 1891–1900.		Age.
	Long Method.	Empirical Method.	Long Method.	Empirical Method.	Long Method.	Empirical Method.	Long Method.	Empirical Method.	Long Method.	Empirical Method.	
					Males.						
10	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10
15	9,899	9,899	9,878	9,879	9,902	9,902	9,901	9,903	9,878	9,879	15
20	9,748	9,743	9,692	9,694	9,757	9,760	9,760	9,763	9,703	9,704	20
25	9,547	9,541	9,450	9,452	9,544	9,547	9,576	9,579	9,487	9,483	25
35	9,025	9,023	8,827	8,829	9,046	9,050	9,040	9,048	8,801	8,803	35
45	8,226	8,224	7,858	7,857	8,394	8,396	8,095	8,102	7,622	7,616	45
55	6,971	6,970	6,480	6,477	7,427	7,425	6,659	6,665	6,019	6,013	55
65	5,030	5,019	4,526	4,514	5,824	5,817	4,667	4,670	3,958	3,944	65
75	2,530	2,530	2,160	2,144	3,259	3,247	2,282	2,281	1,739	1,731	75
85	557	540	427	411	732	731	487	484	316	299	85
95	19	22	14	15	23	27	16	18	12	11	95
					Females.						
10	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10
15	9,894	9,894	9,872	9,874	9,888	9,889	9,899	9,900	9,877	9,878	15
20	9,752	9,753	9,693	9,693	9,714	9,711	9,780	9,784	9,732	9,736	20
25	9,583	9,578	9,479	9,478	9,514	9,511	9,647	9,651	9,565	9,563	25
35	9,135	9,134	8,914	8,917	9,050	9,047	9,245	9,256	9,027	9,036	35
45	8,465	8,465	8,091	8,091	8,466	8,462	8,521	8,531	8,103	8,109	45
55	7,452	7,455	6,966	6,962	7,651	7,646	7,406	7,416	6,807	6,810	55
65	5,785	5,782	5,205	5,197	6,184	6,178	5,702	5,715	4,952	4,946	65
75	3,271	3,287	2,753	2,742	3,682	3,680	3,252	3,262	2,545	2,532	75
85	878	882	652	642	977	979	886	900	580	564	85
95	49	51	33	33	47	54	45	49	28	27	95

Table B.

Comparison of the $\mathring{e}_x$ Columns of Certain Life Tables relating to the Experiences of Decennial Periods with those determined by Means of the Empirical Formulæ. (After Age 10.)

Years.

Age.	England and Wales, 1901-1910		England and Wales, 1891-1900.		Selected Healthy Districts, 1891-1900.		London, 1901-1910.		London, 1891-1900.		Age.
	Long Method.	Empirical Method.	Long Method.	Empirical Method.	Long Method.	Empirical Method.	Long Method.	Empirical Method.	Long Method.	Empirical Method.	
					Males.						
10	51·81	51·80	49·63	49·66	54·16	54·12	50·73	50·79	47·84	47·88	10
15	47·31	47·30	45·21	45·23	49·67	49·63	46·21	46·26	43·40	43·44	15
20	43·01	43·02	41·02	41·04	45·37	45·32	41·84	41·89	39·13	39·18	20
25	38·86	38·86	37·01	37·03	41·32	41·27	37·59	37·64	34·96	35·03	25
35	30·79	30·79	29·24	29·26	33·32	33·24	29·50	29·54	27·25	27·32	35
45	23·27	23·27	22·20	22·21	25·49	25·41	22·31	22·35	20·65	20·73	45
55	16·48	16·48	15·79	15·79	18·12	18·03	15·98	16·02	14·76	14·81	55
65	10·80	10·80	10·34	10·34	11·61	11·52	10·56	10·59	9·76	9·81	65
75	5·41	6·41	6·15	6·11	6·56	6·44	6·35	6·29	5·91	5·90	75
85	3·53	3·53	3·45	3·37	3·45	3·37	3·48	3·41	3·48	3·54	85
					Females.						
10	54·53	54·51	51·97	52·03	55·46	55·46	54·61	54·66	51·49	51·50	10
15	50·08	50·07	47·61	47·66	51·06	51·05	50·14	50·19	47·10	47·10	15
20	45·77	45·75	43·44	43·51	46·93	46·94	45·72	45·76	42·77	42·76	20
25	41·54	41·54	39·37	39·43	42·86	42·87	41·32	41·35	38·46	38·48	25
35	33·31	33·30	31·52	31·57	34·79	34·81	32·87	32·89	30·42	30·41	3 5
45	25·53	25·51	24·20	24·16	26·84	26·83	25·21	25·22	23·29	23·27	4 5
55	18·27	18·23	17·24	17·20	19·12	19·03	18·19	18·20	16·72	16·68	55
65	11·99	11·94	11·27	11·22	12·36	12·26	12·03	12·02	11·01	10·95	65
75	7·10	7·06	6·70	6·52	7·10	7·03	7·17	7·15	6·57	6·47	75
85	3·94	3·84	3·80	3·71	3·83	3·81	3·90	3·80	3·75	3·62	85

Table C.

Comparison of the l_x Columns of Certain Life Tables relating to the Experiences of 1911–12 with those determined by Means of the Empirical Formulæ.

Age.	London.		County Boroughs.		Other Urban Districts.		Rural Districts.		Age.
	Long Method.	Empirical Method.	Long Method.	Empirical Method.	Long Method.	Empirical Method.	Long Method.	Empirical Method.	
				Males.					
10	—	10,040	—	10,038	—	10,030	—	10,028	10
15	9,935	9,935	9,931	9,931	9,939	9,939	9,947	9,946	15
20	9,799	9,800	9,773	9,767	9,792	9,792	9,820	9,822	20
25	9,628	9,624	9,576	9,570	9,617	9,614	9,655	9,649	25
35	9,131	9,132	9,060	9,056	9,200	9,197	9,253	9,249	35
45	8,248	8,252	8,218	8,217	8,558	8,558	8,703	8,700	45
55	6,847	6,849	6,849	6,851	7,445	7,451	7,835	7,836	55
65	4,800	4,792	4,745	4,742	5,519	5,532	6,254	6,260	65
75	2,328	2,339	2,135	2,161	2,767	2,800	3,597	3,632	75
85	478	469	404	391	614	604	875	891	85
95	21	23	16	16	31	28	35	41	95
				Females					
10	—	10,037	—	10,041	—	10,034	—	10,030	10
15	9,939	9,939	9,929	9,929	9,938	9,938	9,942	9,942	15
20	9,823	9,823	9,785	9,785	9,808	9,809	9,810	9,812	20
25	9,696	9,698	9,619	9,613	9,662	9,662	9,650	9,645	25
35	9,337	9,342	9,206	9,202	9,294	9,295	9,262	9,256	35
45	8,686	8,695	8,531	8,529	8,747	8,751	8,765	8,761	45
55	7,629	7,637	7,457	7,458	7,845	7,853	8,014	8,015	55
65	5,977	5,984	5,688	5,691	6,234	6,245	6,630	6,632	65
75	3,508	3,526	3,056	3,074	3,622	3,664	4,160	4,189	75
85	970	998	733	735	985	1,004	1,254	1,286	85
95	62	62	45	45	70	72	81	89	95

The tables by the "Long Method" commence at age 12. In order to have comparable figures the values of l_x at age 15 have been made equal in each case.

Table D.

Comparison of the $\mathring{e}_x$ Columns of Certain Life Tables relating to the Experiences of 1911–12 with those determined by Means of the Empirical Formulæ.

Years.

Age.	London.		County Boroughs.		Other Urban Districts.		Rural Districts.		Age.
	Long Method.	Empirical Method.	Long Method.	Empirical Method.	Long Method.	Empirical Method.	Long Method.	Empirical Method.	
				Males.					
10	—	51·25	—	50·78	—	53·55	—	55·96	10
15	46·74	46·77	46·28	46·30	49·01	49·02	51·45	51·40	15
20	42·35	42·38	41·99	42·03	44·71	44·72	47·08	47·02	20
25	38·06	38·11	37·80	37·85	40·48	40·49	42·84	42·82	25
35	29·84	29·87	29·65	29·69	32·07	32·09	34·47	34·44	35
45	22·45	22·48	22·13	22·17	24·07	24·08	26·31	26·28	45
55	15·95	15·97	15·48	15·51	16·85	16·86	18·63	18·58	55
65	10·51	10·55	9·99	10·05	10·84	10·84	11·95	11·89	65
75	6·28	6·21	5·99	5·97	6·45	6·39	6·81	6·73	75
85	3·71	3·64	3·55	3·48	3·72	3·64	3·67	3·57	85
				Females.					
10	—	55·64	—	54·04	—	56·25	—	57·56	10
15	51·13	51·17	49·64	49·63	51·76	51·77	53·08	53·05	15
20	46·71	46·74	45·34	45·32	47·41	47·42	48·76	48·72	20
25	42·29	42·31	41·08	41·08	43·09	43·10	44·52	44·52	25
35	33·71	33·72	32·68	32·68	34·58	34·59	36·17	36·16	35
45	25·82	25·83	24·84	24·83	26·41	26·41	27·93	27·91	45
55	18·66	18·65	17·64	17·62	18·83	18·81	20·03	20·00	55
65	12·34	12·31	11·46	11·42	12·28	12·26	13·07	13·04	65
75	7·29	7·26	6·77	6·74	7·21	7·21	7·58	7·58	75
85	4·02	3·91	3·98	3·92	4·16	4·11	4·15	4·06	85

Table E.

Comparison of $\mathring{e}_x$ as determined by Means of the Empirical Formulæ with the Values obtained by Interpolation from Abridged Tables.—Liverpool, Manchester, Sheffield, Leeds, and Bristol, 1911–12.

Age.	Liverpool.		Manchester.		Sheffield.		Leeds.		Bristol.		Age
	Interpolation	Empirical Method.	Interpolation.	Empirical Method.	Interpolation.	Empirical Method.	Interpolation.	Empirical Method.	Interpolation.	Empirical Method.	
					Males						
15	42·64	42·65	43·90	43·98	45·94	46·04	45·85	45·89	47·69	47·75	15
20	38·47	38·48	39·72	39·81	41·58	41·65	41·61	41·68	43·39	43·36	20
25	34·36	34·38	35·56	35·64	37·31	37·40	37·43	37·49	39·27	39·30	25
35	26·71	26·74	27·57	27·67	28·90	28·97	29·38	29·44	31·12	31·11	35
45	19·84	19·85	20·39	20·49	21·27	21·32	21·89	21·94	23·41	23·40	45
55	13·92	13·94	14·20	14·26	14·79	14·85	15·00	15·04	16·36	16·32	55
65	9·25	9·39	9·18	9·29	9·34	9·43	9·35	9·39	10·29	10·33	65
75	5·82	5·85	5·59	5·61	5·75	5·67	5·53	5·48	6·06	5·98	75
85	3·04	3·39	3·47	3·50	3·36	3·24	2·88	2·96	3·38	3·16	85
					Females.						
15	46·58	46·56	47·78	47·78	49·99	50·01	49·15	49·16	51·43	51·42	15
20	42·30	42·32	43·55	43·57	45·62	45·62	44·96	44·99	47·09	47·09	20
25	38·03	38·06	39·31	39·34	41·28	41·32	40·74	40·79	42·79	42·76	25
35	29·87	29·88	30·89	30·90	32·79	32·83	32·30	32·33	34·37	34·31	35
45	22·47	22·46	23·20	23·20	24·79	24·82	24·29	24·33	26·51	26·48	45
55	15·86	15·83	16·34	16·34	17·49	17·54	16·90	16·93	18·98	18·91	55
65	10·33	10·39	10·53	10·54	11·18	11·25	10·70	10·71	12·39	12·32	65
75	6·09	6·28	6·44	6·46	6·32	6·31	5·86	5·86	7·22	7·07	75
85	2·74	3·90	3·97	4·04	3·86	4·02	3·01	3·04	4·23	3·99	85

Table *a*.

Data from which the Equations (to be Employed for Ages over 10) expressing the Chance of Living n Years from Age x ($_np_x$) in Terms of the Corresponding Observed Death-rate per Unit Population were determined.

Experience of Age Group.	Observed Death-Rate	Chance of living from beginning to end of period ($_np_x$).
England and Wales, 1910–12.		
5-Year Period.		
—	·00000	1·0000
10–15 M	·00192	·9904
10–15 F	·00201	·9901
15–20 F	·00269	·9868
15–20 M	·00288	·9861
20–25 F	·00314	·9845
†† 5–10 F	·00318	9835
5–10 M	·00320	·9832
25–30 F	·00367	·9819
20–25 M	·00372	·9814
25–30 M	·00428	·9788
30–35 F	·00450	9776
30–35 M	·00534	9737
35–40 F	·00585	·9716
10-Year Period.		
—	·00000	1·0000
20–30 F	·00340	·9666
20–30 M	·00399	·9607
25–35 F	·00408	·9598
25–35 M	·00480	·9531
30–40 F	·00514	·9498
30–40 M	·00614	·9403
35–45 F	·00652	·9365
35–45 M	·00799	·9224
40–50 F	00838	·9186
40–50 M	·01065	·8976
45–55 F	·01124	·8920
45–55 M	·01465	·8620
50–60 F	·01565	·8516
50–60 M	·02049	·8100
55–65 F	·02273	·7939
55–65 M	·02969	·7375
60–70 F	·03291	·7107
60–70 M	·0427	·6415
65–75 F	·0508	·5878
65–75 M	·0631	·5152
70–80 F	·0782	·4339
70–80 M	·0941	·365
75–85 F	·1161	·277
75–85 M	·1356	·221
80–90 F	1672	·153
80–90 M	1901	112
For Last Period.		
75 and upwards F	·131*	·277†
75 and upwards M	·149*	·221†
85 and upwards F	·237*	·070†
85 and upwards M	·265*	·048†

* Death-rate from stated age upward.
† Chance of living 10 years from stated age.
†† See footnote, p. x.

TABLE β.

DATA FROM WHICH THE EQUATIONS (TO BE EMPLOYED FOR AGES OVER 10) EXPRESSING THE VALUE OF ${}_nk_x$* IN TERMS OF THE CORRESPONDING CHANCE OF LIVING (${}_np_x$) WERE DETERMINED.

England and Wales, 1910–12.

Experience of Age Group.	Chance of Living from beginning to end of period (${}_np_x$).	${}_nk_x$*
5-Year Period.		
—	1·0000	5·000
10–15 M	·9904	4·981
15–20 M	·9861	4·974
20–25 M	·9814	4·964
25–30 M	·9788	4·959
30–35 M	·9737	4·950
10-Year Period.		
—	1·0000	10·0000
15–25 M	·9678	9·8689
20–30 M	·9607	9·8307
25–35 M	·9531	9·8042
30–40 M	·9403	9·7547
35–45 M	·9224	9·6806
40–50 M	·8976	9·5811
38–48 M	·9085	9·625
40–50 M	·8976	9·581
42–52 M	·8850	9·529
45–55 M	·8620	9·437
48–58 M	·8331	9·321
50–60 M	·8100	9·226
52–62 M	·7835	9·114
55–65 M	·7375	8·913
58–68 M	·6833	8·671
60–70 M	·6415	8·482
62–72 M	·5949	8·268
64–74 M	·5431	8·023
63–73 M	·570	8·15
65–75 M	·515	7·89
68–78 M	·426	7·42
70–80 M	·365	7·06
72–82 M	·304	6·68
75–85 M	·221	6·06
78–88 M	·151	5·43
80–90 M	·112	5·03
82–92 M	·080	4·63
85–95 M	·048	4·08
88–98 M	·030	3·58

* See footnote on p. vi.

Table γ.

Data from which the Equations (to be Employed for Ages under 10) expressing the Chance of Living ($_np_x$) throughout an Age Period in Terms of the Corresponding Observed Death-rate (r) and where necessary the Corresponding Values of $_nk_x$* in Terms of p were determined.

England and Wales, 1910–12.

Experience of Group.	r.	$_np_x$.	$_nk_x$.*
	For Age Group (5–10)		
2–7 M	·00735	·9641	4·9059
3–8 M	·00518	·9740	4·9360
4–9 M	·00399	·9795	4·9505
5–10M	·00320	·9832	4·9597
6–11M	·00260	·9861	4·9671
7–12M	·00224	·9883	4·9730
	For Age Group (2–5)		
1–4 M	·01931	·9451	2·9233
2–5 M	·00925	·9727	2·9656
3–6 M	·00644	·9811	2·9781
4–7 M	·00491	·9852	2·9835
	For Age Group (1–2)		
	r.	$\frac{2-r}{2+r}$	p.
0–1 M	·13838	·8706	·8796
0–1 F	·11029	·8955	·9023
1–2 M	·03695	·9637	·9658
1–2 F	·03452	·9661	·9681
2–3 M	·01336	·9867	·9866
2–3 F	·01318	·9869	·9868

* See footnote on p. vi.

APPENDIX II.

ON THE METHOD OF DETERMINING THE EQUATIONS USED IN CONSTRUCTING THE LIFE TABLES

The process of finding the best linear and second order equations expressing one variable (y) in terms of another (x) is as follows :—

Let $Y = a + bx + cx^2$ be the best equation giving y in terms of a quadratic function of x, where a, b and c have to be determined. The case of a linear relationship is included in this, simply by putting $c = 0$.

If the data be graphically represented, and if y be the value of one variable for an observation for which the other variable has the value x, and Y the point on the curve (represented by the above equation) which has the same value of x, the criterion usually employed to obtain the best value of Y is $S(y - Y)^2$ a minimum, the summation being extended over each item in the data.

In the present case this gives :—

$$S(y - a - bx - cx^2)^2 \text{ a minimum.}$$

By the usual method of the differential calculus* we find

$$\left.\begin{aligned} S(y) &= Na + bS(x) + cS(x^2) \\ S(xy) &= aS(x) + bS(x^2) + cS(x^3) \\ S(x^2y) &= aS(x^2) + bS(x^3) + cS(x^4) \end{aligned}\right\} \quad . \quad . \quad . \quad \text{(i)}$$

N being the number of observations.

The values of $S(x)$, $S(y)$ . . . $S(x^4)$ can be found from the data, and the solution of the equations (i) leads to a, b and c. The actual method of doing this is illustrated in the example below.

For the linear equation, putting $c = 0$, we find

$$\left.\begin{aligned} S(y) &= Na + bS(x) \\ S(xy) &= aS(x) + bS(x^2) \end{aligned}\right\} \quad . \quad . \quad . \quad . \quad . \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{(ii)}$$

from which a and b are determined.

If curves of higher order are required the equations determining the constants are written down at once as an obvious extension of equations (i). See Pearson's *Tables for Statisticians and Biometricians*, Introduction, p. xlviii.

* The method used by the writer for students unacquainted with the calculus is as follows :—
For the linear equation (the procedure is the same for the second order equation) we must have

$$k^2 = S(y - a - bx)^2 \text{ a minimum}$$
$$= Na^2 - 2aS(y - bx) + S(y - bx)^2 \quad . \quad . \quad . \quad \text{(A).}$$

This is a quadratic equation in a, whose roots are

$$\frac{S(y - bx) \pm \{[S(y - bx)]^2 - N[S(y - bx)^2 - k^2]\}^{\frac{1}{2}}}{N}$$

a is to be a real number, hence the expression whose square root is taken must be positive; *i.e.*,

$$[S(y - bx)]^2 - NS(y - bx)^2 + Nk^2 > 0.$$

or

$$Nk^2 > \frac{1}{N}\{NS(y - bx)^2 - [S(y - bx)]^2\}.$$

The least possible value of k^2 is therefore the right hand side of this inequality, and this causes the expression whose square root is to be taken to be zero. Accordingly, we have, for k^2 a minimum

$$Na = S(y) - bS(x).$$

This is the first of equations (ii) above, and the second is similarly obtained by writing (*A*) above in the form of a quadratic in b instead of in a.

In the arithmetical work it is convenient to have the coefficients of a, b and c as small as possible. This can be done by taking as origins for each variable values close to the corresponding mean values. This is illustrated in the following example, in which the relationship between p and r for the range of r between ·00480 and ·00838 is found. (*See* Table *a*—10-Year Period.)

$100{,}000r$.	$10{,}000p$.	x.	y.	x^2.	x^3.	xy.	x^2y.	x^4.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
480	9,531	−169	+163	28,561	−4,826,809	−27,547	+4,655,443	815,730,721
514	9,498	−135	+130	18,225	−2,460,375	−17,550	+2,369,250	332,150,625
614	9,403	−35	+35	1,225	−1,225	−1,225	+42,875	1,500,625
652	9,365	+3	−3	9	+27	−9	−27	81
799	9,224	+150	−144	22,500	+3,375,000	−21,600	−3,240,000	506,250,000
838	9,186	+189	−182	35,721	+6,751,269	−34,398	−6,501,222	1,275,989,841
3,897	56,207	+3	−1	106,241	+2,837,887	−102,329	−2,673,681	2,931,621,893
=6×649	=6×9368	=S(x)	=S(y)	=S(x^2)	=S(x^3)	=S(xy)	=S(x^2y)	=S(x^4).
+3	−1	—	—	—	—	—	—	—

The corresponding values of r and p are first written down in parallel columns (1) and (2). To avoid decimals throughout r is multiplied by 100,000 and p by 10,000. The sum of the numbers in the first column being 3,897, the mean value is seen to be close to 649. By taking this figure as origin for x we have S(x) quite small. Column (3) shows the deviations of the numbers in column (1) from 649. Similarly for columns (2) and (4). Columns (5) and (6) can then be written down from Barlow's Tables, and column (7) from Crelle's or Cotsworth's. Columns (8) and (9) can then be constructed by mechanical calculation or otherwise, the work being shortened by the fact that x^2 is a factor of each column.

The sum of the numbers in each column from (3) to (9) is then to be found, and the equations written down as follows :—

$$-1 = 6a + 3b + 106{,}241c.$$
$$-102{,}329 = 3a + 106{,}241b + 2{,}837{,}887c.$$
$$-2{,}673{,}681 = 106{,}241a + 2{,}837{,}887b + 2{,}931{,}621{,}893c.$$

The most systematic way of solving these is to make the coefficient of a unity in each case. This gives :—

$$-\cdot1667 = a + \cdot5b + 17{,}706\cdot8333c \quad \text{(iii)}$$
$$-34{,}109\cdot6667 = a + 35{,}413\cdot6667b + 945{,}962\cdot3333c \quad \text{(iv)}$$
$$-25\cdot1662 = a + 26\cdot7118b + 27{,}594\cdot0728c \quad \text{(v)}$$

Subtracting (iii) from (iv) and (v) from (iv) leads to :—

$$-34{,}109\cdot5 = 35{,}413\cdot1667b + 928{,}255\cdot5\,c \quad \text{(vi)}$$
$$-34{,}084\cdot5005 = 35{,}386\cdot9549b + 918{,}368\cdot2605c \quad \text{(vii)}$$

Making the coefficient of b unity in each case we find :—

$$-\cdot96318695 = b + 26\cdot21215741c \quad \text{(viii)}$$
$$-\cdot96319394 = b + 25\cdot95216975c \quad \text{(ix)},$$

and from these, $+\cdot00000699 = \cdot25998766c$,

so that $c = +\cdot0000268859$;

substituting in (viii) or (ix) gives

$b = -\cdot9638917$, and then, from (iii)

$a = -\cdot1608$.

The relationship between y and x is accordingly

$$y = -\cdot1608 - \cdot9638917x + \cdot0000268859x^2.$$

But $y = 10{,}000p - 9368$

and $x = 100{,}000r - 649,$

so that $10{,}000p - 9368 = -\cdot1608 - \cdot9638917\ (100{,}000r - 649) + \cdot0000268859\ (100{,}000r - 649)^2,$

reducing to

$$p = 1\cdot00047 - 9\cdot98790r + 26\cdot8859r^2,$$

which can be written in the form

$$p = \cdot07286 + 26\cdot8859\ (\cdot18575 - r)^2, \text{ as used in the paper.}$$

If the equation of the first degree only be required the equations are—

$$-1 = 6a + 3b, \qquad -102{,}329 = 3a + 106{,}241b,$$

from which $a = +\cdot3149$ and $b = -\cdot963187$, leading in the same manner as above to

$$p = \cdot99934 - 9\cdot63187r.$$

TABLES OF VALUES OF ${}_np_x$ AND ${}_nk_x$ REQUIRED IN THE CONSTRUCTION OF AN ABRIDGED LIFE TABLE, WHEN THE DEATH-RATES AT THE SEVERAL AGES FALL WITHIN THE USUAL LIMITS — BEING THE NUMERICAL VALUES GIVEN BY THE EQUATIONS SHOWN ON PAGE xxvi OF DR. SNOW'S PAPER.

TABLE 1. Values of ${}_np_x$ (the probability of living n years from age x) corresponding to values of r (the observed death-rate in the age period x to $x + n$).

Note.—Any two of these equations do not give the same value of ${}_np_x$ corresponding to the same value of r. Thus, for example, the two equations for five-year groups

(1) . . . . ${}_5p_x = \cdot99995 - 4\cdot8883r$

and (2) . . . . ${}_5p_x = \cdot98152 + 5095\cdot5\,(\cdot00383 - r)^2$

give for the limiting value of $r = \cdot003$, ${}_5p_x = \cdot98529$ and ${}_5p_x = \cdot98503$ respectively. In order to effect a junction of the two series of values of ${}_5p_x$ derived from equations (1) and (2) the values of ${}_5p_x$ corresponding to $r = \cdot003$ and to a few of the tabular values next *above* ·003 were calculated by means of equation (1) and the values of ${}_5p_x$ corresponding to $r = \cdot003$ and to a few of the tabular values next *below* ·003 were calculated by means of equation (2). The arithmetical means of the two sets of values of ${}_5p_x$ derived from the two equations are shown in the table; and similarly with all other limiting values of r except ·07. In this case the values of ${}_{10}p_5$ deduced from the fifth and sixth equations relating to ten-year intervals differed so widely that this method of smoothing was not applicable. The value of ${}_{10}p_x$ corresponding to $r = \cdot067$, as given by the fifth equation is ·49208: the value of ${}_{10}p_5$ corresponding to $r = \cdot073$ given by the sixth equation is ·46201. These two values were adopted and the values corresponding to intermediate values of r were interpolated on the assumption of a constant first difference.

If the observed values of ${}_np_x$ corresponding to the observed values of r had been adopted and the intermediate values inserted by a process of interpolation, the life-table values would differ only slightly from those given in the present tables.

TABLE 2. Values of ${}_nk_x$ corresponding to values of ${}_np_x$.

See Note to Table 1. The method adopted to smooth the values of ${}_np_5$ near the junctional values of r was not applicable in the case of this table. A sufficiently smooth graduation has been effected by interpolation on the assumption of a constant first difference between the value of ${}_nk_5$ corresponding to ${}_np_5 = \cdot899$, as deduced by the first equation, and the value corresponding to ${}_np_5 = \cdot901$ as deduced by the second equation. Over the other junctional values of ${}_np_x$ intermediate values were interpolated similarly between the following limiting values ·799 and ·801; ·545 and ·555; and ·195 and ·205.

The values of ${}_np_x$ are shown only to four places of decimals in the table: in the calculations five decimal figures were used.

TABLE 3 is a table of proportional parts for use in conjunction with Tables 1 and 2.

TABLE 1.

Age 1–2 Years: Values of $p_1\left(=\cdot07434+\cdot92488\frac{2-r}{2+r}\right)$.

r	0	1	2	3	4	5	6	7	8	9
·01	·9900	·9891	·9882	·9873	·9864	·9855	·9845	·9836	·9827	·9818
2	809	800	791	782	773	764	755	746	737	728
3	719	710	701	692	683	674	665	656	647	638
4	630	621	612	603	594	585	576	567	559	550
5	541	532	523	515	506	497	488	480	471	462
6	·9453	·9445	·9436	·9427	·9419	·9410	·9401	·9393	·9384	·9375
7	367	358	349	341	332	324	315	306	298	289
8	281	272	264	255	247	238	230	221	213	204
9	196	187	179	170	162	153	145	137	128	120
·10	111	103	095	086	078	070	061	053	045	036

Ages 2–5 Years: Values of ${}_3p_2$ (= ·99883 − 2·78684 r).

·001	·9960	58	55	52	49	46	44	41	38	35
2	33	30	27	24	21	19	16	13	10	07
3	05	02	99	96	94	91	88	85	82	80
4	·9877	74	71	68	66	63	60	57	55	52
5	49	46	43	41	38	35	32	29	27	24
6	21	18	16	13	10	07	04	02	99	96
7	·9793	90	88	85	82	79	77	74	71	68
8	65	63	60	57	54	51	49	46	43	40
9	37	35	32	29	26	24	21	18	15	12
·010	10	07	04	01	98	96	93	90	87	85
1	·9682	79	76	73	71	68	65	62	59	57
2	54	51	48	46	43	40	37	34	32	29
3	26	23	20	18	15	12	09	07	04	01
4	·9598	95	93	90	87	84	81	79	76	73
5	70	67	65	62	59	56	54	51	48	45
6	42	40	37	34	31	28	26	23	20	17
7	15	12	09	06	03	01	98	95	92	89
8	·9487	84	81	78	76	73	70	67	64	62
9	59	56	53	50	48	45	42	39	37	34
·020	31	28	25	23	20	17	14	11	09	06
·021	·9403	400	397	395	392	389	386	384	381	378

Ages 5–10 Years: Values of ${}_5p_5$ (= ·99838 − 4·68181 r).

·000	·9984	79	74	70	65	60	56	51	46	42
1	37	32	28	23	18	14	09	04	00	95
2	·9890	85	81	76	71	67	62	57	53	48
3	43	39	34	29	25	20	15	11	06	01
4	·9797	92	87	82	78	73	68	64	59	54
5	50	45	40	36	31	26	22	17	12	08
6	·9703	698	694	689	684	679	675	670	665	661

AGES OVER 10 YEARS: Values of ${}_5p_x$. For $r = 0$ to $r = \cdot003$, ${}_5p_x = \cdot99995 - 4\cdot8883r$: for $r = \cdot0030$ to $r = \cdot0037$, ${}_5p_x = \cdot98152 + 5095\cdot5(\cdot00383 - r)^2$: for $r = \cdot0037$ to $r = \cdot0055$, ${}_5p_x = \cdot95419 + 247\cdot824\ (\cdot01423 - r)^2$.

r	0	1	2	3	4	5	6	7	8	9	r	0	1	2	3	4	5	6	7	8	9
·0001	·9995	94	94	93	93	92	92	91	91	90	·0033	·9830	29	28	28	27	27	26	26	26	25
2	90	89	89	88	88	87	87	86	86	85	4	25	24	24	23	23	23	22	22	21	21
3	85	84	84	83	83	82	82	81	81	80	5	21	20	20	20	19	19	19	19	18	18
4	80	79	79	78	78	78	77	77	76	76											
5	75	75	74	74	73	73	72	72	71	71	6	18	18	17	17	17	17	17	17	17	17
											7	16	16	16	15	15	14	14	13	13	12
6	70	70	69	69	68	68	67	67	66	66	8	12	11	11	10	09	09	08	08	07	07
7	65	65	64	64	63	63	62	62	61	61	9	06	06	05	05	04	04	03	03	02	02
8	60	60	59	59	58	58	57	57	56	56	·0040	01	01	00	00	$\overline{99}$	$\overline{99}$	$\overline{98}$	$\overline{98}$	$\overline{97}$	$\overline{97}$
9	56	55	55	54	54	53	53	52	52	51											
·0010	51	50	50	49	49	48	48	47	47	46	1	·9796	96	95	95	94	94	93	93	92	92
											2	91	91	90	90	89	89	88	88	87	87
1	46	45	45	44	44	43	43	42	42	41	3	86	86	85	85	84	84	83	83	82	82
2	41	40	40	39	39	38	38	37	37	36	4	81	81	80	80	79	79	79	78	78	77
3	36	35	35	34	34	34	33	33	32	32	5	77	76	76	75	75	74	74	73	73	72
4	31	31	30	30	29	29	28	28	27	27											
5	26	26	25	25	24	24	23	23	22	22	6	72	71	71	70	70	69	69	68	68	67
											7	67	67	66	66	65	65	64	64	63	63
6	21	21	20	20	19	19	18	18	17	17	8	62	62	61	61	60	60	60	59	59	58
7	16	16	15	15	14	14	13	13	12	12	9	58	57	57	56	56	55	55	54	54	54
8	12	11	11	10	10	09	09	08	08	07	·0050	53	53	52	52	51	51	50	50	49	49
9	07	06	06	05	05	04	04	03	03	02											
·0020	02	01	01	00	00	$\overline{99}$	$\overline{99}$	$\overline{98}$	$\overline{98}$	$\overline{97}$	1	49	48	48	47	47	46	46	45	45	44
											2	44	44	43	43	42	42	41	41	40	40
1	·9897	96	96	95	95	94	94	93	93	92	3	40	39	39	38	38	37	37	36	36	36
2	92	91	91	90	90	90	89	89	88	88	4	35	35	34	34	33	33	33	32	32	31
3	87	87	86	86	85	85	84	84	83	83	5*	31	30	30	30	29	29	28	28	27	27
4	82	82	81	81	80	80	79	79	78	78											
5	77	77	76	76	75	75	74	74	73	73	6*	27	26	26	25	25	24	24	24	23	23
											7*	22	22	21	21	21	20	20	19	19	18
6	72	72	71	71	70	70	69	69	68	68	8*	18	18	17	17	16	16	16	15	15	14
7	68	67	67	66	66	65	65	64	64	63	9*	14	13	13	13	12	12	11	11	11	10
8	63	62	62	61	61	60	60	59	59	58	·0060*	10	09	09	09	08	08	07	07	07	06
9	58	57	57	56	56	55	55	54	53	52											
·0030	52	51	50	48	47	46	45	45	44	43	1*	06	05	05	05	04	04	03	03	03	02
											2*	02	01	01	01	00	00	$\overline{99}$	$\overline{99}$	$\overline{99}$	$\overline{98}$
1	42	42	41	40	39	39	38	37	37	36	3*	·9698	97	97	97	96	96	95	95	95	94
2	35	35	34	34	33	32	32	31	31	30	4*	94	94	93	93	92	92	92	91	91	90

AGES OVER 10 YEARS: Values of ${}_{10}p_x$. For $r = \cdot001$ to $r = \cdot005$, ${}_{10}p_x = \cdot53505 + 54\cdot279\ (\cdot09255 - r)^2$: for $r = \cdot005$ to $r = \cdot008$, ${}_{10}p_x = \cdot07286 + 26\cdot8859\ (\cdot18575 - r)^2$: for $r = \cdot008$ to $r = \cdot015$, ${}_{10}p_x = -\cdot43586 + 15\cdot8283(\cdot30091 - r)^2$: for $r = \cdot015$ to $r = \cdot03$, ${}_{10}p_x = \cdot02194 + 22\cdot0192\ (\cdot20985 - r)^2$.

r	0	1	2	3	4	5	6	7	8	9	r	0	1	2	3	4	5	6	7	8	9
·0010	·9900	$\overline{99}$	$\overline{98}$	$\overline{97}$	$\overline{96}$	$\overline{95}$	$\overline{94}$	$\overline{93}$	$\overline{92}$	$\overline{91}$											
1	·9890	89	88	87	86	85	84	83	82	81	·0031	·9694	93	92	91	90	89	88	87	86	85
2	80	79	78	77	76	75	74	73	72	71	2	84	83	82	81	80	79	78	77	76	75
3	70	69	68	67	66	65	64	63	62	61	3	74	73	72	71	70	69	68	67	66	65
4	60	59	58	57	56	55	54	53	52	51	4	64	63	62	62	61	60	59	58	57	56
5	50	49	48	47	46	45	44	43	42	41	5	55	54	53	52	51	50	49	48	47	46
6	40	39	38	37	36	35	34	33	32	31	6	45	44	43	42	41	40	39	38	37	36
7	31	30	29	28	27	26	25	24	23	22	7	36	35	34	33	32	31	30	29	28	27
8	21	20	19	18	17	16	15	14	13	12	8	26	25	24	23	22	21	20	19	18	17
9	11	10	09	08	07	06	05	04	03	02	9	16	15	14	13	12	11	10	09	09	08
·0020	01	00	$\overline{99}$	$\overline{98}$	$\overline{97}$	$\overline{96}$	$\overline{95}$	$\overline{94}$	$\overline{93}$	$\overline{92}$	·0040	07	06	05	04	03	02	01	00	$\overline{99}$	$\overline{98}$
1	·9791	90	89	88	87	86	85	84	83	82	1	·9597	96	95	94	93	92	91	90	89	88
2	81	80	79	78	77	77	76	75	74	73	2	87	86	85	85	84	83	82	81	80	79
3	72	71	70	69	68	67	66	65	64	63	3	78	77	76	75	74	73	72	71	70	69
4	62	61	60	59	58	57	56	55	54	53	4	68	67	66	65	64	63	62	61	61	60
5	52	51	50	49	48	47	46	45	44	43	5	59	58	57	56	55	54	53	52	51	50
6	42	41	40	39	38	37	36	35	34	33	6	49	48	47	46	45	44	43	42	41	40
7	33	32	31	30	29	28	27	26	25	24	7	40	39	38	37	36	35	34	33	32	31
8	23	22	21	20	19	18	17	16	15	14	8	30	29	28	27	26	25	24	23	22	22
9	13	12	11	10	09	08	07	06	05	04	9	21	20	19	18	17	16	15	15	14	13
·0030	03	02	01	00	$\overline{99}$	$\overline{98}$	$\overline{97}$	$\overline{96}$	$\overline{95}$	$\overline{94}$	·0050	12	11	10	09	09	08	07	06	05	04

* In a few cases the death-rates were found to exceed ·0055: the table has been carried on therefore to the value of $r = \cdot00649$ by means of the third equation given in the heading of the table.

Values of ${}_{10}p_x$ (*continued*).

r	0	1	2	3	4	5	6	7	8	9	r	0	1	2	3	4	5	6	7	8	9
·0051	·9503	02	01	00	$\overline{99}$	$\overline{98}$	$\overline{97}$	$\overline{96}$	$\overline{95}$	$\overline{94}$	·0116	·8890	89	88	87	86	85	84	83	82	82
2	·9493	92	91	90	89	88	87	86	85	84	7	81	80	79	78	77	76	75	74	73	72
3	83	82	81	80	79	78	77	76	75	74	8	71	70	70	69	68	67	66	65	64	63
4	74	73	72	71	70	69	68	67	66	65	9	62	61	60	60	59	58	57	56	55	54
5	64	63	62	61	60	59	58	57	56	55	·0120	53	52	51	50	49	49	48	47	46	45
6	54	53	52	51	50	49	48	47	46	45	1	44	43	42	41	40	39	38	38	37	36
7	45	44	43	42	41	40	39	38	37	36	2	35	34	33	32	31	30	29	28	28	27
8	35	34	33	32	31	30	29	28	27	26	3	26	25	24	23	22	21	20	19	18	18
9	25	24	23	22	21	20	19	18	17	16	4	17	16	15	14	13	12	11	10	09	08
·0060	16	15	14	13	12	11	10	09	08	07	5	07	06	06	05	04	03	02	01	00	$\overline{99}$
1	06	05	04	03	02	01	00	$\overline{99}$	$\overline{98}$	$\overline{97}$	6	·8798	97	96	96	95	94	93	92	91	90
2	·9396	95	94	93	92	91	90	89	88	87	7	89	88	87	86	86	85	84	83	82	81
3	87	86	85	84	83	82	81	80	79	78	8	80	79	78	77	76	76	75	74	73	72
4	77	76	75	74	73	72	71	70	69	68	9	71	70	69	68	67	66	65	65	64	63
5	67	66	65	64	63	62	61	60	60	59	·0130	62	61	60	59	58	57	56	55	55	54
6	58	57	56	55	54	53	52	51	50	49	1	53	52	51	50	49	48	47	46	45	45
7	48	47	46	45	44	43	42	41	40	39	2	44	43	42	41	40	39	38	37	36	35
8	38	37	36	35	34	34	33	32	31	30	3	35	34	33	32	31	30	29	28	27	26
9	29	28	27	26	25	24	23	22	21	20	4	25	24	24	23	22	21	20	19	18	17
·0070	19	18	17	16	15	14	13	12	11	10	5	16	15	14	14	13	12	11	10	09	08
1	10	09	08	07	06	05	04	03	02	01	6	07	06	05	04	04	03	02	01	00	$\overline{99}$
2	00	$\overline{99}$	$\overline{98}$	$\overline{97}$	$\overline{96}$	$\overline{95}$	$\overline{94}$	$\overline{93}$	$\overline{92}$	$\overline{91}$	7	·8698	97	96	95	94	94	93	92	91	90
3	·9290	89	88	87	86	86	85	84	83	82	8	89	88	87	86	85	84	84	83	82	81
4	81	80	79	78	77	76	75	74	73	72	9	80	79	78	77	76	75	74	74	73	72
5	71	70	69	68	67	66	65	64	63	62	·0140	71	70	69	68	67	66	65	65	64	63
6	62	61	60	59	58	57	56	55	54	53	1	62	61	60	59	58	57	56	55	55	54
7	52	51	50	49	48	47	46	45	44	43	2	53	52	51	50	49	48	47	46	45	45
8	42	41	40	39	39	38	37	36	35	34	3	44	43	42	41	40	39	38	37	36	35
9	33	32	31	30	29	28	27	25	24	23	4	35	34	33	32	31	30	29	28	27	26
·0080	22	21	20	20	18	17	16	15	14	13	5	26	25	24	23	22	21	20	19	18	17
1	12	11	10	09	09	08	07	06	05	04	6	16	15	15	14	13	12	11	10	09	08
2	03	02	01	00	$\overline{99}$	$\overline{98}$	$\overline{97}$	$\overline{96}$	$\overline{96}$	$\overline{95}$	7	07	06	06	05	04	03	02	01	00	$\overline{99}$
3	·9194	93	92	91	90	89	88	87	86	85	8	·8598	97	96	96	95	94	93	92	91	90
4	84	83	83	82	81	80	79	78	77	76	9	89	88	87	87	86	85	84	82	82	81
5	75	74	73	72	71	71	70	69	68	67	·0150	80	79	78	77	76	75	74	73	73	72
6	66	65	64	63	62	61	60	59	59	58	1	71	70	69	68	67	66	66	65	64	63
7	57	56	55	54	53	52	51	50	49	48	2	62	61	60	60	59	58	57	56	55	54
8	47	46	46	45	44	43	42	41	40	39	3	54	53	52	51	50	49	48	48	47	46
9	38	37	36	35	34	34	33	32	31	30	4	45	44	43	42	42	41	40	39	38	37
·0090	29	28	27	26	25	24	23	22	22	21	5	37	36	35	34	33	32	31	31	30	29
1	20	19	18	17	16	15	14	13	12	11	6	28	27	26	25	25	24	23	22	21	20
2	10	09	09	08	07	06	05	04	03	02	7	19	19	18	17	16	15	14	13	13	12
3	01	00	$\overline{99}$	$\overline{98}$	$\overline{98}$	$\overline{97}$	$\overline{96}$	$\overline{95}$	$\overline{94}$	$\overline{93}$	8	11	10	09	08	07	07	06	05	04	03
4	·9092	91	90	89	88	87	86	86	85	84	9	02	01	01	00	$\overline{99}$	$\overline{98}$	$\overline{97}$	$\overline{96}$	$\overline{95}$	$\overline{95}$
5	83	82	81	80	79	78	77	76	75	74	·0160	·8494	93	92	91	90	90	89	88	87	86
6	74	73	72	71	70	69	68	67	66	65	1	85	84	84	83	82	81	80	79	78	78
7	64	63	62	62	61	60	59	58	57	56	2	77	76	75	74	73	72	72	71	70	69
8	55	54	53	52	51	51	50	49	48	47	3	68	67	66	66	65	64	63	62	61	61
9	46	45	44	43	42	41	40	39	39	38	4	60	59	58	57	56	55	55	54	53	52
·0100	37	36	35	34	33	32	31	30	29	28	5	51	50	49	49	48	47	46	45	44	44
1	28	27	26	25	24	23	22	21	20	19	6	43	42	41	40	39	38	38	37	36	35
2	18	17	16	16	15	14	13	12	11	10	7	34	33	32	32	31	30	29	28	27	27
3	09	08	07	06	05	05	04	03	02	01	8	26	25	24	23	22	21	21	20	19	18
4	00	$\overline{99}$	$\overline{98}$	$\overline{97}$	$\overline{96}$	$\overline{95}$	$\overline{94}$	$\overline{93}$	$\overline{93}$	$\overline{92}$	9	17	16	15	15	14	13	12	11	10	10
5	·8991	90	89	88	87	86	85	84	83	82	·0170	09	08	07	06	05	04	04	03	02	01
6	82	81	80	79	78	77	76	75	74	73	1	00	$\overline{99}$	$\overline{98}$	$\overline{98}$	$\overline{97}$	$\overline{96}$	$\overline{95}$	$\overline{94}$	$\overline{93}$	$\overline{93}$
7	72	71	70	70	69	68	67	66	65	64	2	·8392	91	90	89	88	87	87	86	85	84
8	63	62	61	60	59	59	58	57	56	55	3	83	82	81	81	80	79	78	77	76	76
9	54	53	52	51	50	49	48	47	47	46	4	75	74	73	72	71	71	70	69	68	67
·0110	45	44	43	42	41	40	39	38	37	37	5	66	65	65	64	63	62	61	60	59	59
1	36	35	34	33	32	31	30	29	28	27	6	58	57	56	55	54	54	53	52	51	50
2	26	25	25	24	23	22	21	20	19	18	7	49	48	48	47	46	45	44	43	43	42
3	17	16	15	14	14	13	12	11	10	09	8	41	40	39	38	37	37	36	35	34	33
4	08	07	06	05	04	04	03	02	01	00	9	32	32	31	30	29	28	27	26	26	25
5	·8899	98	97	96	95	94	93	92	92	91	·0180	24	23	22	21	21	20	19	18	17	16

Values of ${}_{10}p_x$ (*continued*).

x	0	1	2	3	4	5	6	7	8	9	x	0	1	2	3	4	5	6	7	8	9
·0181	·8315	15	14	13	12	11	10	10	09	08	·0241	·7817	16	15	14	13	13	12	11	10	09
2	07	06	05	05	04	03	02	01	00	$\overline{99}$	2	09	08	07	06	05	04	04	03	02	01
3	·8299	98	97	96	95	94	94	93	92	91	3	00	00	$\overline{99}$	$\overline{98}$	$\overline{97}$	$\overline{96}$	$\overline{95}$	$\overline{95}$	$\overline{94}$	$\overline{93}$
4	90	89	88	88	87	86	85	84	83	83	4	·7792	91	91	90	89	88	87	87	86	85
5	82	81	80	79	78	78	77	76	75	74	5	84	83	82	82	81	80	79	78	78	77
6	73	73	72	71	70	69	68	67	67	66	6	76	75	74	73	73	72	71	70	69	69
7	65	64	63	62	61	61	60	59	58	57	7	68	67	66	65	64	64	63	62	61	60
8	56	56	55	54	53	52	51	51	50	49	8	60	59	58	57	56	56	55	54	53	52
9	48	47	46	46	45	44	43	42	41	40	9	51	51	50	49	48	47	47	46	45	44
·0190	40	39	38	37	36	35	35	34	33	32	·0250	43	43	42	41	40	39	38	38	37	36
1	31	30	30	29	28	27	26	25	25	24	1	35	34	34	33	32	31	30	29	29	28
2	23	22	21	20	19	19	18	17	16	15	2	27	26	25	25	24	23	22	21	21	20
3	14	14	13	12	11	10	09	09	08	07	3	19	18	17	16	16	15	14	13	12	12
4	06	05	04	04	03	02	01	00	$\overline{99}$	$\overline{98}$	4	11	10	09	08	08	07	06	05	04	03
5	·8198	97	96	95	94	94	93	92	91	90	5	03	02	01	00	$\overline{99}$	$\overline{99}$	$\overline{98}$	$\overline{97}$	$\overline{96}$	$\overline{95}$
6	89	89	88	87	86	85	84	83	83	82	6	·7695	94	93	92	91	91	90	89	88	87
7	81	80	79	78	78	77	76	75	74	73	7	86	86	85	84	83	82	82	81	80	79
8	73	72	71	70	69	68	68	67	66	65	8	78	78	77	76	75	74	73	73	72	71
9	64	63	62	62	61	60	59	58	58	57	9	70	69	69	68	67	66	65	65	64	63
·0200	56	55	54	53	52	52	51	50	49	48	·0260	62	61	61	60	59	58	57	56	56	55
1	47	47	46	45	44	43	42	42	41	40	1	54	53	52	52	51	50	49	48	48	47
2	39	38	37	37	36	35	34	33	32	32	2	46	45	44	44	43	42	41	40	39	39
3	31	30	29	28	27	27	26	25	24	23	3	38	37	36	35	35	34	33	32	31	31
4	22	22	21	20	19	18	17	17	16	15	4	30	29	28	27	27	26	25	24	23	22
5	14	13	12	12	11	10	09	08	07	07	5	22	21	20	19	18	18	17	16	15	14
6	06	05	04	03	02	02	01	00	$\overline{99}$	$\overline{98}$	6	14	13	12	11	10	10	09	08	07	06
7	·8097	97	96	95	94	93	92	92	91	90	7	06	05	04	03	02	02	01	00	$\overline{99}$	$\overline{98}$
8	89	88	87	87	86	85	84	83	82	82	8	·7597	97	96	95	94	93	93	92	91	90
9	81	80	79	78	77	77	76	75	74	73	9	89	89	88	87	86	85	85	84	83	82
·0210	72	72	71	70	69	68	67	67	66	65	·0270	81	81	80	79	78	77	77	76	75	74
1	64	63	62	62	61	60	59	58	58	57	1	73	73	72	71	70	69	68	68	67	66
2	56	55	54	53	53	52	51	50	49	48	2	65	64	64	63	62	61	60	60	59	58
3	48	47	46	45	44	43	43	42	41	40	3	57	56	56	55	54	53	52	52	51	50
4	39	38	38	37	36	35	34	33	33	32	4	49	48	48	47	46	45	44	44	43	42
5	31	30	29	28	28	27	26	25	24	23	5	41	40	40	39	38	37	36	36	35	34
6	23	22	21	20	19	19	18	17	16	15	6	33	32	32	31	30	29	28	28	27	26
7	14	14	13	12	11	10	09	09	08	07	7	25	24	24	23	22	21	20	19	19	18
8	06	05	04	04	03	02	01	00	$\overline{99}$	$\overline{99}$	8	17	16	15	15	14	13	12	11	11	10
9	·7998	97	96	95	94	94	93	92	91	90	9	09	08	07	07	06	05	04	03	03	02
·0220	90	89	88	87	86	85	85	84	83	82	·0280	01	00	$\overline{99}$	$\overline{99}$	$\overline{98}$	$\overline{97}$	$\overline{96}$	$\overline{95}$	$\overline{95}$	$\overline{94}$
1	81	80	80	79	78	77	76	75	75	74	1	·7493	92	91	91	90	89	88	87	87	86
2	73	72	71	70	70	69	68	67	66	66	2	85	84	83	83	82	81	80	79	79	78
3	65	64	63	62	61	61	60	59	58	57	3	77	76	75	75	74	73	72	71	71	70
4	56	56	55	54	53	52	51	51	50	49	4	69	68	67	67	66	65	64	63	63	62
5	48	47	47	46	45	44	43	42	42	41	5	61	60	59	59	58	57	56	56	55	54
6	40	39	38	37	37	36	35	34	33	33	6	53	52	52	51	50	49	48	48	47	46
7	32	31	30	29	28	28	27	26	25	24	7	45	44	44	43	42	41	40	40	39	38
8	23	23	22	21	20	19	19	18	17	16	8	37	36	36	35	34	33	32	32	31	30
9	15	14	14	13	12	11	10	09	09	08	9	29	28	28	27	26	25	24	24	23	22
·0230	07	06	05	04	04	03	02	01	00	00	·0290	21	20	20	19	18	17	16	16	15	14
1	·7899	98	97	96	95	95	94	93	92	91	1	13	12	12	11	10	09	08	08	07	06
2	91	90	89	88	87	86	86	85	84	83	2	05	04	04	03	02	01	01	00	$\overline{99}$	$\overline{98}$
3	82	82	81	80	79	78	77	77	76	75	3	·7397	97	96	95	94	93	93	92	91	90
4	74	73	73	72	71	70	69	68	68	67	4	89	89	88	87	86	85	85	84	83	82
5	66	65	64	63	63	62	61	60	59	59	5	81	81	80	79	78	78	77	76	75	74
6	58	57	56	55	54	54	53	52	51	50	6	74	73	72	71	70	70	69	68	67	66
7	50	49	48	47	46	45	45	44	43	42	7	66	65	64	63	62	62	61	60	59	58
8	41	41	40	39	38	37	36	36	35	34	8	58	57	56	55	54	54	53	52	51	51
9	33	32	32	31	30	29	28	27	27	26	9	50	49	48	47	47	46	45	44	43	41
·0240	25	24	23	22	22	21	20	19	18	18	·0300	·7340	—	—	—	—	—	—	—	—	—

Ages over 10 Years: Values of ${}_{10}p_x$: for $r = \cdot 03$ to $r = \cdot 07$, ${}_{10}p_x = \cdot 23118 + 28 \cdot 6851\ (\cdot 16237 - r)^2$.

r	0	1	2	3	4	5	6	7	8	9	r	0	1	2	3	4	5	6	7	8	9
·030	·7340	30	23	15	08	00	92	85	77	70	·050	·5934	27	21	15	08	02	95	89	82	76
1	·7262	55	47	40	32	25	17	10	02	95	1	·5870	63	57	51	44	38	31	25	19	12
2	·7187	80	72	65	57	50	42	35	28	20	2	·5806	00	93	87	81	74	68	62	56	49
3	·7113	05	98	90	83	76	68	61	54	46	3	·5743	37	31	24	18	12	06	99	93	87
4	·7039	31	24	17	09	02	95	87	80	73	4	·5681	74	68	62	56	50	43	37	31	25
5	·6965	58	51	44	36	29	22	14	07	00	5	·5619	13	06	00	94	88	82	76	70	64
6	·6893	85	78	71	64	56	49	42	35	28	6	·5557	51	45	39	33	27	21	15	09	03
7	·6820	13	06	99	92	85	77	70	63	56	7	·5497	91	85	79	73	67	60	54	48	42
8	·6749	42	35	27	20	13	06	99	92	85	8	·5436	31	25	19	13	07	01	95	89	83
9	·6678	71	64	57	49	42	35	28	21	14	9	·5377	71	65	59	53	47	41	36	30	24
·040	·6607	00	93	86	79	72	65	58	51	44	·060	·5318	12	06	00	94	89	83	77	71	65
1	·6537	30	23	16	10	03	96	89	82	75	1	·5259	54	48	42	36	30	25	19	13	07
2	·6468	61	54	47	40	34	27	20	13	06	2	·5202	96	90	84	79	73	67	61	56	50
3	·6399	92	86	79	72	65	58	51	45	38	3	·5144	39	33	27	22	16	10	04	99	93
4	·6331	24	17	11	04	97	90	84	77	70	4	·5088	82	76	71	65	59	54	48	43	37
5	·6263	57	50	43	36	30	23	16	10	03	5	·5031	26	20	15	09	04	98	92	87	81
6	·6196	90	83	76	70	63	56	50	43	36	6	·4976	70	65	59	54	48	43	37	32	26
7	·6130	23	17	10	03	97	90	84	77	71	7	·4921	15	10	05	00	95	90	85	80	75
8	·6064	57	51	44	38	31	25	18	12	05	8	·4870	65	60	55	50	45	40	35	30	25
9	·5999	92	86	79	73	66	60	53	47	40	·069	·4820	15	10	05	00	95	90	85	80	75

Ages over 10 Years: Values of ${}_{10}p_x$ for $r = \cdot 07$ to $r = \cdot 19$, ${}_{10}p_x = \cdot 10152 + 16 \cdot 7940\ (\cdot 21951 - r)^2$.

r	0	1	2	3	4	5	6	7	8	9
·07	·4770	720	670	620	571	522	474	426	378	331
8	284	237	191	145	099	054	009	964	920	876
9	·3832	789	746	703	661	619	577	536	495	454
·10	414	374	334	295	256	217	179	141	103	066
1	029	993	956	920	885	850	815	780	746	712
2	·2678	645	612	579	547	515	484	452	422	391
3	361	331	301	272	243	215	186	159	131	104
4	077	050	024	998	973	948	923	898	874	850
5	·1827	803	781	758	736	714	693	671	651	630
6	610	590	571	552	533	514	496	478	461	444
7	427	410	394	379	363	348	333	319	305	291
8	277	264	252	239	227	215	204	193	182	172
9	161	152	142	133	125	116	108	100	093	086

Values of ${}_{10}p_{85}$ for $r = \cdot12$ to $r = \cdot46$, $\log {}_{10}p_{85} = \cdot188106 - 5\cdot67829r$.

r	0	1	2	3	4	5	6	7	8	9
·12	·3212	172	133	093	054	015	$\overline{975}$	$\overline{936}$	$\overline{897}$	$\overline{857}$
·13	·2818	783	749	714	680	645	611	576	542	507
·14	·2473	442	412	382	351	321	291	260	230	200
·15	·2170	143	116	090	063	037	010	$\overline{983}$	$\overline{957}$	$\overline{930}$
·16	·1904	880	857	834	810	787	764	740	717	694
·17	·1670	650	629	609	588	568	547	527	507	486
·18	·1466	448	430	412	394	376	358	340	322	304
·19	·1286	270	254	239	223	207	191	176	160	144
·20	·1128	115	101	087	073	059	045	032	018	004
·21	·0990	978	966	954	942	929	917	905	893	881
·22	·0869	858	847	837	826	815	805	794	784	773
·23	·0762	753	744	734	725	716	706	697	688	678
·24	·0669	661	652	644	636	628	620	611	603	595
·25	·0587	580	572	565	558	551	544	537	529	522
·26	·0515	509	502	496	490	483	477	471	464	458
·27	·0452	446	441	435	430	424	419	413	408	402
·28	·0396	392	387	382	377	372	367	362	358	353
·29	·0348	344	339	335	331	327	322	318	314	309
·30	·0305	301	298	294	290	287	283	279	275	272
·31	·0268	265	261	258	255	251	248	245	242	238
·32	·0235	232	229	226	223	221	218	215	212	209
·33	·0206	204	201	199	196	194	191	189	186	183
·34	·0181	179	176	174	172	170	168	165	163	161
·35	·0159	157	155	153	151	149	147	145	143	141
·36	·0139	138	136	134	132	131	129	127	126	124
·37	·0122	121	119	118	116	115	113	112	110	109
·38	·0107	106	105	103	102	101	099	098	097	095
·39	·0094	093	092	091	089	088	087	086	085	084
·40	·0083	082	081	080	079	077	076	075	074	073
·41	·0072	072	071	070	069	068	067	066	065	064
·42	·0064	063	062	061	060	060	059	058	057	057
·43	·0056	055	054	054	053	052	052	051	050	050
·44	·0049	048	048	047	047	046	045	045	044	044
·45	·0043	042	042	041	041	040	040	039	039	038

TABLE 2.

Age Group 2–5 Years: Values of ${}_3k_2 = 1\cdot4959 + 1\cdot5105p$.

p	0	1	2	3	4	5	6	7	8	9	p	0	1	2	3	4	5	6	7	8	9
·935	2·9082	84	85	87	88	90	91	93	94	96	·965	2·9535	37	38	40	41	43	44	46	47	49
6	97	99	$\overline{00}$	$\overline{02}$	$\overline{03}$	$\overline{05}$	$\overline{06}$	$\overline{08}$	$\overline{09}$	$\overline{11}$	6	50	52	53	55	56	58	59	61	63	64
7	2·9112	14	15	17	18	20	21	23	24	26	7	66	67	69	70	72	73	75	76	78	79
8	27	29	31	32	34	35	37	38	40	41	8	81	82	84	85	87	88	90	91	93	94
9	43	44	46	47	49	50	52	53	55	56	9	96	97	99	$\overline{00}$	$\overline{02}$	$\overline{03}$	$\overline{05}$	$\overline{06}$	$\overline{08}$	$\overline{09}$
·940	58	59	61	62	64	65	67	68	70	71	·970	·29611	12	14	15	17	18	20	21	23	24
1	73	74	76	77	79	80	82	83	85	86	1	26	27	29	30	32	34	35	37	38	40
2	88	89	91	92	94	95	97	98	$\overline{00}$	$\overline{02}$	2	41	43	44	46	47	49	50	52	53	55
3	2·9203	05	06	08	09	11	12	14	15	17	3	56	58	59	61	62	64	65	67	68	70
4	18	20	21	23	24	26	27	29	30	32	4	71	73	74	76	77	79	80	82	83	85
5	33	35	36	38	39	41	42	44	45	47	5	86	88	89	91	92	94	95	97	98	$\overline{00}$
6	48	50	51	53	54	56	57	59	60	62	6	2·9701	03	05	06	08	09	11	12	14	15
7	63	65	66	68	69	71	72	74	76	77	7	17	18	20	21	23	24	26	27	29	30
8	79	80	82	83	85	86	88	89	91	92	8	32	33	35	36	38	39	41	42	44	45
9	94	95	97	98	$\overline{00}$	$\overline{01}$	$\overline{03}$	$\overline{04}$	$\overline{06}$	$\overline{07}$	9	47	48	50	51	53	54	56	57	59	60
·950	2·9309	10	12	13	15	16	18	19	21	22	·980	62	63	65	66	68	69	71	72	74	75
1	24	25	27	28	30	31	33	34	36	37	1	77	79	80	82	83	85	86	88	89	91
2	39	40	42	43	45	47	48	50	51	53	2	92	94	95	97	98	$\overline{00}$	$\overline{01}$	$\overline{03}$	$\overline{04}$	$\overline{06}$
3	54	56	57	59	60	62	63	65	66	68	3	2·9807	09	10	12	13	15	16	18	19	21
4	69	71	72	74	75	77	78	80	81	83	4	22	24	25	27	28	30	31	33	34	36
5	84	86	87	89	90	92	93	95	96	98	5	37	39	40	42	43	45	46	48	50	51
6	99	$\overline{01}$	$\overline{02}$	$\overline{04}$	$\overline{05}$	$\overline{07}$	$\overline{08}$	$\overline{10}$	$\overline{11}$	$\overline{13}$	6	53	54	56	57	59	60	62	63	65	66
7	2·9414	16	18	19	21	22	24	25	27	28	7	68	69	71	72	74	75	77	78	80	81
8	30	31	33	34	36	37	39	40	42	43	8	83	84	86	87	89	90	92	93	95	96
9	45	46	48	49	51	52	54	55	57	58	9	98	99	$\overline{01}$	$\overline{02}$	$\overline{04}$	$\overline{05}$	$\overline{07}$	$\overline{08}$	$\overline{10}$	$\overline{11}$
·960	60	61	63	64	66	67	69	70	72	73	·990	2·9913	14	16	17	19	21	22	24	25	27
1	75	76	78	79	81	82	84	85	87	88	1	28	30	31	33	34	36	37	39	40	42
2	90	92	93	95	96	98	99	$\overline{01}$	$\overline{02}$	$\overline{04}$	2	43	45	46	48	49	51	52	54	55	57
3	2·9505	07	08	10	11	13	14	16	17	19	3	58	60	61	63	64	66	67	69	70	72
4	20	22	23	25	26	28	29	31	32	34	4	73	75	76	78	79	81	82	84	85	87

AGE GROUP 5–10 YEARS: Values of ${}_5k_5 = 2{\cdot}2504 + 2{\cdot}7556p$.

p	0	1	2	3	4	5	6	7	8	9	p	0	1	2	3	4	5	6	7	8	9
·965	4·9096	98	$\overline{01}$	$\overline{04}$	$\overline{07}$	$\overline{09}$	$\overline{12}$	$\overline{15}$	$\overline{18}$	$\overline{20}$	·981	4·9536	39	42	45	47	50	53	56	58	61
6	4·9123	26	29	31	34	37	40	42	45	48	2	64	67	70	72	75	78	81	83	86	89
7	51	53	56	59	62	64	67	70	73	75	3	92	94	97	$\overline{00}$	$\overline{03}$	$\overline{05}$	$\overline{08}$	$\overline{11}$	$\overline{14}$	$\overline{16}$
8	78	81	84	86	89	92	95	97	$\overline{00}$	$\overline{03}$	4	4·9619	22	25	27	30	33	36	38	41	44
9	4·9206	09	11	14	17	20	22	25	28	31	5	47	49	52	55	58	60	63	66	69	71
·970	33	36	39	42	44	47	50	53	55	58											
											6	74	77	80	82	85	88	91	94	96	99
1	61	64	66	69	72	75	77	80	83	86	7	4·9702	05	07	10	13	16	18	21	24	27
2	88	91	94	97	99	$\overline{02}$	$\overline{05}$	$\overline{08}$	$\overline{10}$	$\overline{13}$	8	29	32	35	38	40	43	46	49	51	54
3	4·9316	19	21	24	27	30	33	35	38	41	9	57	60	62	65	68	71	73	76	79	82
4	44	46	49	52	55	57	60	63	66	68	·990	84	87	90	93	95	98	$\overline{01}$	$\overline{04}$	$\overline{06}$	$\overline{09}$
5	71	74	77	79	82	85	88	90	93	96											
											1	4·9812	15	18	20	23	26	29	31	34	37
6	99	$\overline{01}$	$\overline{04}$	$\overline{07}$	$\overline{10}$	$\overline{12}$	$\overline{15}$	$\overline{18}$	$\overline{21}$	$\overline{23}$	2	40	42	45	48	51	53	56	59	62	64
7	4·9426	29	32	34	37	40	43	46	48	51	3	67	70	73	75	78	81	84	86	89	92
8	54	57	59	62	65	68	70	73	76	79	4	95	97	$\overline{00}$	$\overline{03}$	$\overline{06}$	$\overline{08}$	$\overline{11}$	$\overline{14}$	$\overline{17}$	$\overline{19}$
9	81	84	87	90	92	95	98	$\overline{01}$	$\overline{03}$	$\overline{06}$	5	4·9922	25	28	30	33	36	39	42	44	47
·980	4·9509	12	14	17	20	23	25	28	31	34											
											6	50	53	55	58	61	64	66	69	72	75

AGES OVER 10 YEARS: Values of ${}_5k_x = 3{\cdot}0914 + 1{\cdot}9084p$.

p	0	1	2	3	4	5	6	7	8	9	p	0	1	2	3	4	5	6	7	8	9
·969	4·9406	08	10	12	14	16	18	20	22	24	·984	4·9693	95	96	98	$\overline{00}$	$\overline{02}$	$\overline{04}$	$\overline{06}$	$\overline{08}$	$\overline{10}$
·970	25	27	29	31	33	35	37	39	41	43	5	4·9712	14	16	17	19	21	23	25	27	29
1	45	46	48	50	52	54	56	58	60	62	6	31	33	35	37	38	40	42	44	46	48
2	64	66	67	69	71	73	75	77	79	81	7	50	52	54	56	58	59	61	63	65	67
3	83	85	87	88	90	92	94	96	98	$\overline{00}$	8	69	71	73	75	77	79	80	82	84	86
4	4·9502	04	06	08	09	11	13	15	17	19	9	88	90	92	94	96	98	$\overline{00}$	$\overline{01}$	$\overline{03}$	$\overline{05}$
5	21	23	25	27	29	30	32	34	36	38	·990	4·9807	09	11	13	15	17	19	21	22	24
6	40	42	44	46	48	50	51	53	55	57	1	26	28	30	32	34	36	38	40	42	43
7	59	61	63	65	67	69	71	72	74	76	2	45	47	49	51	53	55	57	59	61	63
8	78	80	82	84	86	88	90	92	93	95	3	64	66	68	70	72	74	76	78	80	82
9	97	99	$\overline{01}$	$\overline{03}$	$\overline{05}$	$\overline{07}$	$\overline{09}$	$\overline{11}$	$\overline{13}$	$\overline{14}$	4	83	85	87	89	91	93	95	97	99	$\overline{01}$
·980	4·9616	18	20	22	24	26	28	30	32	33	5	4·9903	04	06	08	10	12	14	16	18	20
1	35	37	39	41	43	45	47	49	51	53	6	22	24	25	27	29	31	33	35	37	39
2	54	56	58	60	62	64	66	68	70	72	7	41	43	45	46	48	50	52	54	56	58
3	74	75	77	79	81	83	85	87	89	91	8	60	62	64	66	67	69	71	73	75	77
											9	79	81	83	85	87	88	90	92	94	96

AGES OVER 10 YEARS: Values of ${}_{10}k_x$. For $p = 0$ to $p = {\cdot}2$, ${}_{10}k_x = 6{\cdot}1485 - 39{\cdot}9340\,({\cdot}2811 - p)^2$: for $p = {\cdot}2$ to $p = {\cdot}55$, ${}_{10}k_x = 8{\cdot}8550 - 5{\cdot}6745\,({\cdot}9258 - p)^2$: for $p = {\cdot}55$ to $p = {\cdot}70$, ${}_{10}k_x = 14{\cdot}4520 - {\cdot}87293(3{\cdot}2566 - p)^2$.

p	0	1	2	3	4	5	6	7	8	9
·00	—	—	—	—	—	3·104	·126	·148	·170	·192
1	3·214	·235	·257	·278	·300	·321	·342	·363	·384	·405
2	·426	·447	·468	·488	·509	·529	·550	·570	·590	·611
3	·631	·651	·671	·690	·710	·730	·750	·769	·789	·808
4	·827	·846	·866	·885	·904	·923	·941	·960	·979	·997
5	4·016	·034	·053	·071	·089	·107	·125	·143	·161	·179
6	·196	·214	·232	·249	·266	·284	·301	·318	·335	·352
7	·369	·386	·403	·419	·436	·452	·469	·485	·501	·517
8	·534	·550	·566	·581	·597	·613	·629	·644	·660	·675
9	·690	·705	·721	·736	·751	·766	·780	·795	·810	·824
·10	·839	·853	·868	·882	·896	·910	·924	·938	·952	·966

Ages over 10 Years: Values of $_{10}k_x$—*continued.*

p	0	1	2	3	4	5	6	7	8	9
·11	4·979	·993	·007	·020	·033	·047	·060	·073	·086	·099
2	5·112	·125	·138	·150	·163	·175	·188	·200	·213	·225
3	·237	·249	·261	·273	·284	·296	·308	·319	·331	·342
4	·353	·365	·376	·387	·398	·409	·420	·430	·441	·452
5	·462	·473	·483	·493	·503	·514	·524	·534	·543	·553
6	·563	·573	·582	·592	·601	·610	·620	·629	·638	·647
7	·656	·664	·673	·682	·690	·699	·707	·716	·724	·732
8	·740	·748	·756	·764	·772	·780	·787	·795	·802	·810
9	·817	·824	·832	·839	·846	·853	·858	·864	·869	·875
·20	·880	·885	·891	·896	·902	·907	·915	·923	·931	·939
1	·948	·956	·964	·972	·980	·988	·996	·004	·012	·020
2	6·028	·036	·044	·052	·060	·068	·076	·084	·092	·100
3	·108	·116	·123	·131	·139	·147	·155	·163	·171	·178
4	·186	·194	·202	·209	·217	·225	·233	·240	·248	·256
5	·263	·271	·279	·286	·294	·302	·309	·317	·324	·332
6	·340	·347	·355	·362	·370	·377	·385	·392	·400	·407
7	·415	·422	·429	·437	·444	·451	·459	·466	·474	·481
8	·488	·496	·503	·510	·517	·525	·532	·539	·547	·554
9	·561	·568	·575	·583	·590	·597	·604	·611	·618	·626
·30	·633	·640	·647	·654	·661	·668	·675	·682	·689	·696
1	·703	·710	·717	·724	·731	·738	·745	·752	·759	·766
2	·773	·779	·786	·793	·800	·807	·813	·820	·827	·834
3	·841	·847	·854	·861	·868	·874	·881	·888	·894	·901
4	·908	·914	·921	·927	·934	·941	·947	·954	·960	·967
5	·974	·980	·987	·993	·000	·006	·012	·019	·025	·032
6	7·038	·045	·051	·058	·064	·070	·077	·083	·089	·096
7	·102	·108	·115	·121	·127	·133	·140	·146	·152	·158
8	·165	·171	·177	·183	·189	·195	·201	·208	·214	·220
9	·226	·232	·238	·244	·250	·256	·262	·268	·274	·280
·40	·286	·292	·298	·304	·310	·316	·322	·328	·333	·339
1	·345	·351	·357	·363	·369	·374	·380	·386	·392	·398
2	·403	·409	·415	·420	·426	·432	·437	·443	·449	·454
3	·460	·466	·471	·477	·482	·488	·494	·499	·505	·510
4	·516	·521	·527	·532	·538	·543	·549	·554	·559	·565
5	·570	·576	·581	·586	·592	·597	·602	·608	·613	·618
6	·624	·629	·634	·639	·645	·650	·655	·660	·666	·671
7	·676	·681	·686	·691	·697	·702	·707	·712	·717	·722
8	·727	·732	·737	·742	·747	·752	·757	·762	·767	·772
9	·777	·782	·787	·792	·797	·802	·807	·812	·816	·821
·50	·826	·831	·836	·841	·845	·850	·855	·860	·864	·869
1	·874	·879	·883	·888	·893	·897	·902	·907	·911	·916
2	·921	·925	·930	·934	·939	·943	·948	·952	·957	·961
3	·966	·970	·975	·979	·984	·988	·993	·997	·002	·006
4	8·010	·015	·019	·023	·028	·032	·037	·042	·047	·052
5	·056	·061	·066	·071	·076	·081	·086	·090	·095	·100
6	·104	·109	·114	·118	·123	·128	·133	·137	·142	·147
7	·151	·156	·161	·165	·170	·175	·179	·184	·189	·194
8	·198	·203	·208	·212	·217	·222	·226	·231	·235	·240
9	·245	·249	·254	·259	·263	·268	·273	·277	·282	·287
·60	·291	·296	·301	·305	·310	·314	·319	·324	·328	·333
1	·338	·342	·347	·351	·356	·361	·365	·370	·374	·379
2	·384	·388	·393	·397	·402	·407	·411	·416	·420	·425
3	·430	·434	·439	·443	·448	·453	·457	·462	·466	·471
4	·475	·480	·485	·489	·494	·498	·503	·507	·512	·516
5	·521	·526	·530	·535	·539	·544	·548	·553	·557	·562
6	·566	·571	·575	·580	·585	·589	·594	·598	·603	·607
7	·612	·616	·621	·625	·630	·634	·639	·643	·648	·652
8	·657	·661	·666	·670	·675	·679	·684	·688	·693	·697
9	·702	·706	·711	·715	·720	·724	·728	·733	·737	·742

Ages over 10 Years : Values of ${}_{10}k_x$. For $p = \cdot 7$ to $p = \cdot 8$, ${}_{10}k_x = 14{\cdot}4520 - {\cdot}87293\,(3{\cdot}2566 - p)^2$: for $p = \cdot 8$ to $p = \cdot 9$, ${}_{10}k_x = 14{\cdot}2145 - {\cdot}85730\,(3{\cdot}2225 - p)^2$: for $p = \cdot 9$ to $p = 1$, ${}_{10}k_x = 6{\cdot}7367 + 1{\cdot}36832\,(\cdot 5443 + p)^2$.

p	0	1	2	3	4	5	6	7	8	9
·70	8·7464	509	553	598	642	687	731	776	820	865
1	909	953	998	042	087	131	175	220	264	309
2	8·8353	397	441	486	530	574	618	662	707	751
3	795	839	883	927	971	015	059	103	147	191
4	8·9235	279	323	366	410	454	498	542	585	629
5	673	717	760	804	848	892	935	979	023	066
6	9·0110	154	197	241	284	328	371	415	458	502
7	545	588	632	675	718	762	805	848	891	935
8	978	021	064	108	151	194	237	280	324	367
9	9·1410	453	496	539	582	625	668	711	754	797
·80	837	876	917	959	000	042	083	125	166	208
1	9·2249	290	332	373	414	456	497	538	579	621
2	662	703	744	785	826	868	909	950	991	032
3	9·3073	114	155	196	237	278	318	359	400	441
4	482	523	564	604	645	686	727	768	808	849
5	890	931	971	012	052	093	134	174	215	255
6	9·4296	336	377	417	458	498	538	579	619	660
7	700	740	780	821	861	901	941	981	022	062
8	9·5102	142	182	222	262	303	343	383	423	463
9	503	543	583	623	663	703	742	782	822	862
·90	906	950	989	029	069	109	148	188	228	267
1	9·6307	347	387	427	467	507	546	586	626	666
2	706	746	786	827	867	907	947	987	028	068
3	9·7108	149	189	230	270	311	351	392	432	473
4	513	554	595	635	676	717	758	799	839	880
5	921	962	003	044	085	126	167	208	249	290
6	9·8331	372	414	455	496	538	579	620	661	703
7	744	786	827	869	910	952	994	035	077	118
8	9·9160	202	244	285	327	369	411	453	494	536
9	578	620	662	705	747	789	831	873	916	958

TABLE 3.

Proportional Parts.

	1	2	3	4	5	6	7	8	9
1	0·1	0·2	0·3	0·4	0·5	0·6	0·7	0·8	0·9
2	0·2	0·4	0·6	0·8	1·0	1·2	1·4	1·6	1·8
3	0·3	0·6	0·9	1·2	1·5	1·8	2·1	2·4	2·7
4	0·4	0·8	1·2	1·6	2·0	2·4	2·8	3·2	3·6
5	0·5	1·0	1·5	2·0	2·5	3·0	3·5	4·0	4·5
6	0·6	1·2	1·8	2·4	3·0	3·6	4·2	4·8	5·4
7	0·7	1·4	2·1	2·8	3·5	4·2	4·9	5·6	6·3
8	0·8	1·6	2·4	3·2	4·0	4·8	5·6	6·4	7·2
9	0·9	1·8	2·7	3·6	4·5	5·4	6·3	7·2	8·1
10	1·0	2·0	3·0	4·0	5·0	6·0	7·0	8·0	9·0
11	1·1	2·2	3·3	4·4	5·5	6·6	7·7	8·8	9·9
12	1·2	2·4	3·6	4·8	6·0	7·2	8·4	9·6	10·8
13	1·3	2·6	3·9	5·2	6·5	7·8	9·1	10·4	11·7
14	1·4	2·8	4·2	5·6	7·0	8·4	9·8	11·2	12·6
15	1·5	3·0	4·5	6·0	7·5	9·0	10·5	12·0	13·5
16	1·6	3·2	4·8	6·4	8·0	9·6	11·2	12·8	14·4
17	1·7	3·4	5·1	6·8	8·5	10·2	11·9	13·6	15·3
18	1·8	3·6	5·4	7·2	9·0	10·8	12·6	14·4	16·2
19	1·9	3·8	5·7	7·6	9·5	11·4	13·3	15·2	17·1
20	2·0	4·0	6·0	8·0	10·0	12·0	14·0	16·0	18·0
21	2·1	4·2	6·3	8·4	10·5	12·6	14·7	16·8	18·9
22	2·2	4·4	6·6	8·8	11·0	13·2	15·4	17·6	19·8
23	2·3	4·6	6·9	9·2	11·5	13·8	16·1	18·4	20·7
24	2·4	4·8	7·2	9·6	12·0	14·4	16·8	19·2	21·6
25	2·5	5·0	7·5	10·0	12·5	15·0	17·5	20·0	22·5
26	2·6	5·2	7·8	10·4	13·0	15·6	18·2	20·8	23·4
27	2·7	5·4	8·1	10·8	13·5	16·2	18·9	21·6	24·3
28	2·8	5·6	8·4	11·2	14·0	16·8	19·6	22·4	25·2
29	2·9	5·8	8·7	11·6	14·5	17·4	20·3	23·2	26·1
30	3·0	6·0	9·0	12·0	15·0	18·0	21·0	24·0	27·0
31	3·1	6·2	9·3	12·4	15·5	18·6	21·7	24·8	27·9
32	3·2	6·4	9·6	12·8	16·0	19·2	22·4	25·6	28·8
33	3·3	6·6	9·9	13·2	16·5	19·8	23·1	26·4	29·7
34	3·4	6·8	10·2	13·6	17·0	20·4	23·8	27·2	30·6
35	3·5	7·0	10·5	14·0	17·5	21·0	24·5	28·0	31·5
36	3·6	7·2	10·8	14·4	18·0	21·6	25·2	28·8	32·4
37	3·7	7·4	11·1	14·8	18·5	22·2	25·9	29·6	33·3
38	3·8	7·6	11·4	15·2	19·0	22·8	26·6	30·4	34·2
39	3·9	7·8	11·7	15·6	19·5	23·4	27·3	31·2	35·1
40	4·0	8·0	12·0	16·0	20·0	24·0	28·0	32·0	36·0
41	4·1	8·2	12·3	16·4	20·5	24·6	28·7	32·8	36·9
42	4·2	8·4	12·6	16·8	21·0	25·2	29·4	33·6	37·8
43	4·3	8·6	12·9	17·2	21·5	25·8	30·1	34·4	38·7
44	4·4	8·8	13·2	17·6	22·0	26·4	30·8	35·2	39·6
45	4·5	9·0	13·5	18·0	22·5	27·0	31·5	36·0	40·5
46	4·6	9·2	13·8	18·4	23·0	27·6	32·2	36·8	41·4
47	4·7	9·4	14·1	18·8	23·5	28·2	32·9	37·6	42·3
48	4·8	9·6	14·4	19·2	24·0	28·8	33·6	38·4	43·2
49	4·9	9·8	14·7	19·6	24·5	29·4	34·3	39·2	44·1
50	5·0	10·0	15·0	20·0	25·0	30·0	35·0	40·0	45·0

TABLES.

TABLE I.—*Mean annual death-rates in the several Age periods of the life tables according to the experience of the years* 1911–12. *Males.*

Area.	Death-rate per unit population at Age groups.													Area.
	0–*	1–	2–	5–	10–	15–	20–	25–	35–	45–	55–	65–	75–	85–	
SUMMARY.															SUMMARY.
All Areas — North	0·1385	0·04749	0·01184	0·00381	0·00228	0·00339	0·00409	0·00529	0·00885	0·01681	0·03484	0·07502	0·15686	0·28625	All Areas — North.
All Areas — Midlands	0·1183	0·03116	0·00818	0·00292	0·00167	0·00265	0·00349	0·00436	0·00691	0·01259	0·02603	0·05815	0·13205	0·27227	All Areas — Midlands.
All Areas — South (including London)	0·1085	0·03273	0·00818	0·00304	0·00181	0·00261	0·00336	0·00480	0·00837	0·01477	0·02838	0·05895	0·12802	0·25948	All Areas — South (including London).
All Areas — ,, (excluding London)	0·0972	0·02251	0·00635	0·00274	0·00157	0·00251	0·00323	0·00443	0·00703	0·01208	0·02403	0·05388	0·12142	0·25774	All Areas — ,, (excluding London).
All Areas — Wales	0·1333	0·03535	0·00880	0·00315	0·00195	0·00318	0·00392	0·00476	0·00772	0·01385	0·02916	0·06394	0·13731	0·24744	All Areas — Wales.
All Areas — England and Wales	0·1240	0·03750	0·00947	0·00326	0·00193	0·00293	0·00369	0·00482	0·00803	0·01469	0·02976	0·06365	0·13692	0·26834	All Areas — England and Wales.
London	0·1204	0·04488	0·01041	0·00341	0·00213	0·00276	0·00354	0·00524	0·01001	0·01827	0·03458	0·06772	0·14280	0·26427	London.
County Boroughs — North	0·1450	0·05514	0·01356	0·00420	0·00241	0·00346	0·00434	0·00589	0·01035	0·01973	0·03966	0·08217	0·16417	0·27964	County Boroughs — North.
County Boroughs — Midlands	0·1402	0·04415	0·01135	0·00350	0·00188	0·00299	0·00391	0·00504	0·00850	0·01575	0·03168	0·06808	0·14757	0·29156	County Boroughs — Midlands.
County Boroughs — South	0·1111	0·03030	0·00821	0·00343	0·00164	0·00249	0·00320	0·00489	0·00897	0·01448	0·02773	0·06047	0·12550	0·25156	County Boroughs — South.
County Boroughs — Wales	0·1338	0·04182	0·01124	0·00332	0·00198	0·00347	0·00414	0·00564	0·00906	0·01718	0·03401	0·06843	0·14206	0·26332	County Boroughs — Wales.
County Boroughs — England and Wales	0·1398	0·04871	0·01224	0·00387	0·00215	0·00321	0·00407	0·00551	0·00960	0·01784	0·03560	0·07424	0·15079	0·27641	County Boroughs — England and Wales.
Other Urban Districts — North	0·1352	0·04360	0·01087	0·00361	0·00224	0·00350	0·00404	0·00483	0·00760	0·01531	0·03322	0·07486	0·15956	0·29053	Other Urban Districts — North.
Other Urban Districts — Midlands	0·1153	0·02947	0·00776	0·00288	0·00155	0·00266	0·00329	0·00403	0·00661	0·01230	0·02624	0·05913	0·12980	0·25920	Other Urban Districts — Midlands.
Other Urban Districts — South	0·1003	0·02290	0·00673	0·00283	0·00162	0·00266	0·00328	0·00442	0·00708	0·01260	0·02534	0·05678	0·12294	0·25559	Other Urban Districts — South.
Other Urban Districts — Wales	0·1425	0·04086	0·00967	0·00323	0·00203	0·00309	0·00356	0·00444	0·00754	0·01436	0·03110	0·06916	0·14163	0·26092	Other Urban Districts — Wales.
Other Urban Districts — England and Wales	0·1230	0·03455	0·00886	0·00316	0·00185	0·00299	0·00358	0·00442	0·00714	0·01362	0·02894	0·06447	0·13695	0·26460	Other Urban Districts — England and Wales.
Rural Districts — North	0·1236	0·03130	0·00827	0·00297	0·00195	0·00293	0·00340	0·00433	0·00667	0·01072	0·02390	0·05739	0·13994	0·28942	Rural Districts — North.
Rural Districts — Midlands	0·0971	0·01979	0·00541	0·00239	0·00163	0·00233	0·00334	0·00411	0·00566	0·01002	0·02114	0·05102	0·12649	0·27480	Rural Districts — Midlands.
Rural Districts — South	0·0845	0·01730	0·00483	0·00226	0·00147	0·00234	0·00318	0·00413	0·00579	0·01021	0·02090	0·04833	0·11854	0·26179	Rural Districts — South.
Rural Districts — Wales	0·1178	0·02247	0·00602	0·00294	0·00181	0·00316	0·00434	0·00474	0·00720	0·01128	0·02479	0·05767	0·13294	0·23659	Rural Districts — Wales.
Rural Districts — England and Wales	0·1030	0·02222	0·00599	0·00255	0·00167	0·00255	0·00342	0·00423	0·00608	0·01034	0·02200	0·05206	0·12694	0·26948	Rural Districts — England and Wales.
Administrative Counties.															*Administrative Counties.*
BEDFORDSHIRE	0·1054	0·02336	0·00478	0·00250	0·00164	0·00207	0·00314	0·00432	0·00644	0·01118	0·02313	0·05325	0·13282	0·26076	BEDFORDSHIRE.
BERKSHIRE	0·0805	0·01956	0·00519	0·00165	0·00146	0·00234	0·00326	0·00467	0·00603	0·01133	0·02161	0·05060	0·12169	0·23017	BERKSHIRE.
BUCKINGHAMSHIRE	0·0900	0·01854	0·00547	0·00246	0·00152	0·00236	0·00308	0·00419	0·00558	0·01053	0·02260	0·05592	0·12797	0·25667	BUCKINGHAMSHIRE.
CAMBRIDGESHIRE	0·0907	0·02593	0·00779	0·00440	0·00170	0·00259	0·00379	0·00464	0·00662	0·01130	0·02223	0·05330	0·12620	0·32432	CAMBRIDGESHIRE.
CHESHIRE	0·1224	0·03180	0·00821	0·00318	0·00219	0·00292	0·00351	0·00437	0·00738	0·01384	0·02950	0·06784	0·15728	0·26897	CHESHIRE.
CORNWALL	0·1176	0·02451	0·00577	0·00328	0·00243	0·00357	0·00456	0·00526	0·00803	0·01351	0·02586	0·06060	0·12553	0·26290	CORNWALL.
CUMBERLAND	0·1252	0·03187	0·00986	0·00309	0·00229	0·00253	0·00424	0·00514	0·00882	0·01348	0·03016	0·06543	0·14485	0·31065	CUMBERLAND.
DERBYSHIRE	0·1286	0·03171	0·00846	0·00320	0·00184	0·00275	0·00267	0·00357	0·00602	0·01107	0·02669	0·06344	0·14775	0·30233	DERBYSHIRE.
DEVONSHIRE	0·0949	0·02015	0·00689	0·00286	0·00175	0·00269	0·00381	0·00542	0·00669	0·01187	0·02320	0·05216	0·11593	0·25249	DEVONSHIRE.
DORSETSHIRE	0·0829	0·01696	0·00556	0·00283	0·00167	0·00175	0·00217	0·00395	0·00578	0·01061	0·02216	0·05003	0·12433	0·28240	DORSETSHIRE.

* Infant mortality per birth.

Durham	0·1456	0·04748	0·01134	0·00363	0·00212	0·00366	0·00384	0·00469	0·00705	0·01366	0·02780	0·06875	0·14773	0·30843	Durham.
Ely, Isle of	0·1217	0·03237	0·00716	0·00187	0·00200	0·00195	0·00411	0·00555	0·00573	0·00990	0·02005	0·05018	0·10819	0·30180	Ely, Isle of.
Essex	0·0995	0·02263	0·00631	0·00267	0·00152	0·00286	0·00377	0·00400	0·00656	0·01114	0·02411	0·05228	0·12072	0·24795	Essex.
Gloucestershire	0·0936	0·01958	0·00531	0·00215	0·00184	0·00227	0·00364	0·00451	0·00626	0·01188	0·02415	0·05965	0·12976	0·27770	Gloucestershire.
Herefordshire	0·0877	0·02143	0·00438	0·00212	0·00120	0·00207	0·00405	0·00382	0·00658	0·01104	0·02354	0·06182	0·13265	0·26048	Herefordshire.
Hertfordshire	0·0865	0·01695	0·00426	0·00216	0·00138	0·00255	0·00269	0·00364	0·00642	0·01060	0·02158	0·05555	0·13225	0·26244	Hertfordshire.
Huntingdonshire	0·0853	0·02394	0·00581	0·00192	0·00136	0·00209	0·00410	0·00334	0·00454	0·00944	0·01933	0·04992	0·13032	0·27326	Huntingdonshire.
Kent	0·1037	0·02427	0·00711	0·00273	0·00170	0·00239	0·00336	0·00438	0·00680	0·01179	0·02354	0·05239	0·12206	0·25753	Kent.
Lancashire	0·1360	0·03964	0·01089	0·00351	0·00229	0·00332	0·00420	0·00492	0·00795	0·01576	0·03486	0·07607	0·15996	0·28615	Lancashire.
Leicestershire	0·1071	0·02362	0·00636	0·00283	0·00170	0·00295	0·00309	0·00426	0·00602	0·01150	0·02280	0·05461	0·13496	0·27466	Leicestershire.
Lincoln: Holland	0·1199	0·02421	0·00472	0·00351	0·00160	0·00210	0·00300	0·00486	0·00618	0·01086	0·02097	0·05174	0·12114	0·24790	Lincolnshire: Holland.
,, Kesteven	0·0962	0·01545	0·00572	0·00197	0·00234	0·00298	0·00222	0·00394	0·00681	0·00858	0·02204	0·05135	0·12482	0·24031	,, Kesteven.
,, Lindsey	0·1086	0·02008	0·00561	0·00256	0·00173	0·00263	0·00361	0·00427	0·00454	0·00953	0·02135	0·04631	0·11661	0·26601	,, Lindsey.
London	0·1204	0·04488	0·01041	0·00341	0·00213	0·00276	0·00354	0·00524	0·01001	0·01827	0·03458	0·06772	0·14280	0·26427	London.
Middlesex	0·1079	0·02699	0·00660	0·00278	0·00137	0·00224	0·00299	0·00376	0·00609	0·01190	0·02627	0·05578	0·12095	0·26014	Middlesex.
Monmouthshire	0·1377	0·04364	0·00920	0·00285	0·00181	0·00274	0·00329	0·00403	0·00731	0·01356	0·02900	0·06515	0·13113	0·23490	Monmouthshire.
Norfolk	0·0988	0·01642	0·00452	0·00185	0·00158	0·00217	0·00360	0·00448	0·00541	0·00906	0·02026	0·04772	0·12015	0·28732	Norfolk.
Northamptonshire	0·0997	0·02099	0·00647	0·00326	0·00199	0·00256	0·00391	0·00413	0·00559	0·01040	0·02316	0·05214	0·12668	0·30986	Northamptonshire.
Northumberland	0·1234	0·03432	0·00789	0·00288	0·00228	0·00374	0·00339	0·00492	0·00614	0·01193	0·02666	0·06142	0·14901	0·27594	Northumberland.
Nottinghamshire	0·1242	0·03007	0·00946	0·00259	0·00151	0·00250	0·00320	0·00371	0·00581	0·01058	0·02167	0·05603	0·13064	0·27495	Nottinghamshire.
Oxfordshire	0·0881	0·01709	0·00585	0·00224	0·00176	0·00216	0·00325	0·00346	0·00591	0·01049	0·02067	0·05059	0·13039	0·24679	Oxfordshire.
Peterborough, Soke of	0·1141	0·03301	0·00917	0·00398	0·00093	0·00346	0·00200	0·00325	0·00711	0·01154	0·02086	0·05294	0·12447	0·35000	Peterborough, Soke of.
Rutlandshire	0·0729	0·01279	0·00311	0·00259	0·00234	0·00116	0·00267	0·00492	0·00396	0·00991	0·02313	0·05188	0·11978	0·17568	Rutlandshire.
Shropshire	0·0975	0·02054	0·00558	0·00238	0·00155	0·00225	0·00302	0·00427	0·00630	0·01201	0·02568	0·05708	0·13114	0·24762	Shropshire.
Somersetshire	0·0879	0·01655	0·00410	0·00174	0·00159	0·00276	0·00330	0·00417	0·00643	0·01125	0·02635	0·05605	0·12800	0·26820	Somersetshire.
Southampton	0·0909	0·01988	0·00560	0·00257	0·00174	0·00207	0·00310	0·00451	0·00708	0·01140	0·02192	0·05094	0·11618	0·27841	Southampton.
Staffordshire	0·1325	0·03858	0·01001	0·00326	0·00162	0·00286	0·00340	0·00470	0·00749	0·01386	0·02749	0·06309	0·14481	0·25952	Staffordshire.
Suffolk East	0·0939	0·01865	0·00509	0·00178	0·00114	0·00258	0·00328	0·00461	0·00563	0·00965	0·01923	0·04540	0·12029	0·25645	Suffolk, East.
,, West	0·0873	0·01645	0·00474	0·00165	0·00165	0·00226	0·00449	0·00448	0·00699	0·01136	0·02318	0·05140	0·10558	0·28610	,, West.
Surrey	0·0886	0·01962	0·00566	0·00262	0·00109	0·00243	0·00291	0·00323	0·00588	0·01040	0·02206	0·04811	0·11104	0·24425	Surrey.
Sussex, East	0·0749	0·01506	0·00456	0·00200	0·00118	0·00320	0·00301	0·00376	0·00591	0·01077	0·02052	0·05249	0·12250	0·27053	Sussex, East.
,, West	0·0877	0·01837	0·00548	0·00266	0·00095	0·00278	0·00335	0·00419	0·00611	0·01274	0·02011	0·05087	0·10745	0·25468	,, West.
Warwickshire	0·1148	0·02725	0·00810	0·00261	0·00153	0·00216	0·00362	0·00378	0·00652	0·01182	0·02321	0·05548	0·13472	0·24601	Warwickshire.
Westmorland	0·0904	0·01810	0·00679	0·00304	0·00133	0·00116	0·00438	0·00427	0·00643	0·00945	0·02344	0·06100	0·12207	0·33594	Westmorland.
Wight, Isle of	0·0732	0·02514	0·00607	0·00206	0·00074	0·00193	0·00226	0·00426	0·00757	0·01173	0·02432	0·05102	0·12085	0·24554	Wight, Isle of.
Wiltshire	0·0840	0·01620	0·00473	0·00267	0·00133	0·00226	0·00274	0·00428	0·00556	0·01044	0·02339	0·05237	0·13406	0·25615	Wiltshire.
Worcestershire	0·1092	0·03175	0·00776	0·00288	0·00159	0·00253	0·00327	0·00388	0·00616	0·01290	0·02618	0·05862	0·13387	0·29519	Worcestershire.
Yorkshire, East Riding	0·0994	0·01982	0·00513	0·00254	0·00149	0·00270	0·00318	0·00489	0·00573	0·00993	0·02264	0·05090	0·13002	0·31436	Yorkshire, East Riding.
,, North ,,	0·1170	0·04164	0·01066	0·00390	0·00196	0·00374	0·00346	0·00494	0·00729	0·01232	0·02413	0·05908	0·13974	0·26003	,, North ,,
,, West ,,	0·1317	0·04306	0·01031	0·00349	0·00211	0·00341	0·00382	0·00442	0·00709	0·01383	0·03123	0·07137	0·15812	0·29793	,, West ,,
Anglesey	0·1324	0·02450	0·00475	0·00245	0·00170	0·00216	0·00391	0·00516	0·00714	0·01199	0·02702	0·05852	0·13466	0·21528	Anglesey.
Brecknockshire	0·1393	0·03039	0·00720	0·00336	0·00203	0·00361	0·00231	0·00401	0·00768	0·01397	0·02764	0·05895	0·12183	0·18110	Brecknockshire.
Cardiganshire	0·1294	0·01557	0·00362	0·00357	0·00236	0·00316	0·00647	0·00905	0·00865	0·01238	0·02538	0·06413	0·12670	0·25000	Cardiganshire.
Carmarthenshire	0·1273	0·02607	0·00646	0·00406	0·00247	0·00385	0·00393	0·00513	0·00708	0·01218	0·02535	0·06163	0·14604	0·25592	Carmarthenshire.
Carnarvonshire	0·1142	0·02605	0·00779	0·00305	0·00287	0·00407	0·00461	0·00547	0·00823	0·01285	0·02938	0·06425	0·13719	0·23529	Carnarvonshire.
Denbighshire	0·1331	0·02632	0·00700	0·00375	0·00134	0·00274	0·00353	0·00370	0·00700	0·01200	0·02500	0·06450	0·14904	0·29193	Denbighshire.
Flintshire	0·1077	0·02854	0·00781	0·00179	0·00214	0·00248	0·00472	0·00563	0·00814	0·01240	0·02984	0·06791	0·15049	0·27559	Flintshire.
Glamorganshire	0·1433	0·03830	0·00936	0·00312	0·00202	0·00296	0·00382	0·00399	0·00723	0·01383	0·03048	0·06744	0·13125	0·25117	Glamorganshire.
Merionethshire	0·1050	0·01528	0·00886	0·00375	0·00089	0·00446	0·00644	0·00647	0·00618	0·01332	0·03287	0·06874	0·14865	0·34722	Merionethshire.
Montgomeryshire	0·0972	0·01418	0·00386	0·00274	0·00073	0·00273	0·00331	0·00555	0·00567	0·01092	0·01979	0·04900	0·15311	0·23853	Montgomeryshire.
Pembrokeshire	0·0992	0·01798	0·00659	0·00294	0·00157	0·00462	0·00399	0·00680	0·00997	0·01286	0·02463	0·05253	0·12908	0·21094	Pembrokeshire.
Radnorshire	0·0943	0·02050	0·00538	0·00218	0·00134	0·00142	0·00387	0·00601	0·00724	0·00533	0·02070	0·04130	0·11087	0·29688	Radnorshire.

TABLE I.—*Mean annual death-rates in the several Age periods of the life tables according to the experience of the years* 1911–12. *Males—contd.*

Area.	Death-rate per unit population at Age groups.													Area.
	0–*	1–	2–	5–	10–	15–	20–	25–	35–	45–	55–	65–	75–	85–	
Administrative Counties with Urban and Rural Aggregates containing more than 200,000 *population in each.*															*Administrative Counties with Urban and Rural Aggregates containing more than* 200,000 *population in each.*
DERBYSHIRE :															DERBYSHIRE :
Urban Districts	0·1333	0·03416	0·00877	0·00321	0·00173	0·00313	0·00270	0·00320	0·00618	0·01145	0·02696	0·06694	0·15381	0·29832	Urban Districts.
Rural Districts	0·1237	0·02913	0·00814	0·00320	0·00196	0·00238	0·00265	0·00396	0·00585	0·01068	0·02642	0·06006	0·14249	0·30576	Rural Districts.
DEVONSHIRE :															DEVONSHIRE :
Urban Districts	0·0955	0·02666	0·00864	0·00327	0·00169	0·00343	0·00403	0·00611	0·00830	0·01336	0·02569	0·05771	0·11348	0·24576	Urban Districts.
Rural Districts	0·0944	0·01416	0·00530	0·00249	0·00180	0·00201	0·00360	0·00473	0·00515	0·01053	0·02096	0·04722	0·11811	0·25802	Rural Districts.
DURHAM :															DURHAM :
Urban Districts	0·1392	0·05073	0·01252	0·00376	0·00224	0·00357	0·00398	0·00510	0·00765	0·01516	0·03094	0·07553	0·15511	0·29268	Urban Districts.
Rural Districts	0·1538	0·04338	0·00982	0·00346	0·00198	0·00377	0·00366	0·00411	0·00623	0·01171	0·02369	0·06007	0·13985	0·32558	Rural Districts.
ESSEX :															ESSEX :
Urban Districts	0·1031	0·02474	0·00681	0·00297	0·00156	0·00305	0·00366	0·00397	0·00658	0·01183	0·02592	0·05473	0·12040	0·23036	Urban Districts.
Rural Districts	0·0875	0·01562	0·00456	0·00170	0·00140	0·00232	0·00409	0·00409	0·00650	0·00932	0·02002	0·04816	0·12117	0·26898	Rural Districts.
KENT :															KENT.
Urban Districts	0·1056	0·02556	0·00767	0·00302	0·00175	0·00252	0·00332	0·00450	0·00698	0·01276	0·02653	0·05754	0·13139	0·28817	Urban Districts.
Rural Districts	0·0991	0·02140	0·00588	0·00210	0·00160	0·00212	0·00347	0·00407	0·00636	0·00986	0·01822	0·04444	0·10911	0·22187	Rural Districts.
LANCASHIRE :															LANCASHIRE :
Urban Districts	0·1399	0·04223	0·01115	0·00358	0·00230	0·00350	0·00438	0·00498	0·00812	0·01660	0·03647	0·07976	0·16713	0·28512	Urban Districts.
Rural Districts	0·1099	0·02378	0·00923	0·00308	0·00226	0·00227	0·00304	0·00455	0·00687	0·01095	0·02641	0·06021	0·13344	0·28897	Rural Districts.
SOUTHAMPTON :															SOUTHAMPTON :
Urban Districts	0·1008	0·02237	0·00766	0·00320	0·00170	0·00241	0·00330	0·00460	0·00814	0·01328	0·02322	0·05303	0·11819	0·26027	Urban Districts.
Rural Districts	0·0809	0·01745	0·00369	0·00203	0·00178	0·00171	0·00286	0·00440	0·00612	0·00997	0·02101	0·04964	0·11501	0·28741	Rural Districts.
STAFFORDSHIRE :															STAFFORDSHIRE :
Urban Districts	0·1398	0·04425	0·01130	0·00359	0·00160	0·00294	0·00324	0·00479	0·00812	0·01466	0·03003	0·06829	0·15378	0·25778	Urban Districts.
Rural Districts	0·1120	0·02414	0·00662	0·00246	0·00165	0·00268	0·00377	0·00449	0·00605	0·01209	0·02220	0·05372	0·13162	0·26154	Rural Districts.
SURREY :															SURREY :
Urban Districts	0·0935	0·02027	0·00516	0·00236	0·00120	0·00237	0·00286	0·00325	0·00609	0·01062	0·02339	0·05114	0·11136	0·22394	Urban Districts.
Rural Districts	0·0789	0·01829	0·00666	0·00311	0·00089	0·00255	0·00303	0·00318	0·00543	0·00997	0·01955	0·04274	0·11047	0·28743	Rural Districts.
YORKSHIRE, WEST RIDING :															YORKSHIRE, WEST RIDING :
Urban Districts	0·1341	0·04471	0·01090	0·00375	0·00218	0·00350	0·00373	0·00437	0·00698	0·01484	0·03310	0·07610	0·16314	0·30220	Urban Districts.
Rural Districts	0·1247	0·03865	0·00871	0·00276	0·00193	0·00318	0·00411	0·00458	0·00745	0·01059	0·02535	0·05821	0·14704	0·29140	Rural Districts.

* Infant mortality per birth.

GLAMORGANSHIRE :														GLAMORGANSHIRE :
Urban Districts	0·1501	0·04255	0·01011	0·00318	0·00214	0·00304	0·00367	0·00410	0·00721	0·01440	0·03124	0·07158	0·13842	0·27650	Urban Districts.
Rural Districts	0·1237	0·02644	0·00738	0·00296	0·00170	0·00273	0·00423	0·00371	0·00730	0·01226	0·02877	0·05986	0·12140	0·22488	Rural Districts.
County Boroughs with populations exceeding 100,000.															*County Boroughs with populations exceeding* 100,000.
BIRKENHEAD	0·1239	0·05209	0·01205	0·00448	0·00223	0·00301	0·00396	0·00614	0·00991	0·02003	0·03844	0·07227	0·16163	0·23457	BIRKENHEAD.
BIRMINGHAM	0·1512	0·05246	0·01325	0·00369	0·00159	0·00248	0·00345	0·00523	0·00933	0·01671	0·03505	0·06960	0·15313	0·27651	BIRMINGHAM.
BLACKBURN	0·1665	0·04856	0·01000	0·00380	0·00186	0·00415	0·00332	0·00490	0·00935	0·01689	0·03641	0·08149	0·15509	0·32759	BLACKBURN.
BOLTON	0·1391	0·04052	0·01052	0·00387	0·00280	0·00360	0·00433	0·00509	0·00920	0·02094	0·04054	0·09576	0·16535	0·19118	BOLTON.
BRADFORD	0·1306	0·03562	0·00896	0·00392	0·00236	0·00290	0·00346	0·00539	0·00937	0·01820	0·03780	0·08038	0·16894	0·28736	BRADFORD.
BRIGHTON	0·0923	0·02838	0·00619	0·00291	0·00134	0·00206	0·00300	0·00543	0·00956	0·01427	0·02985	0·06085	0·13188	0·24490	BRIGHTON.
BRISTOL	0·1382	0·03493	0·01073	0·00343	0·00185	0·00273	0·00453	0·00518	0·00841	0·01479	0·03018	0·06946	0·14814	0·30854	BRISTOL.
BURNLEY	0·1981	0·05492	0·01156	0·00341	0·00304	0·00239	0·00372	0·00444	0·00722	0·01691	0·03761	0·09647	0·18475	0·26923	BURNLEY.
COVENTRY	0·1036	0·04040	0·01302	0·00543	0·00159	0·00304	0·00211	0·00363	0·00648	0·01472	0·03393	0·06402	0·14477	0·27083	COVENTRY.
CROYDON	0·1020	0·02287	0·00782	0·00298	0·00150	0·00259	0·00390	0·00408	0·00674	0·01218	0·02563	0·05573	0·11335	0·21661	CROYDON.
DERBY	0·1162	0·03867	0·00751	0·00270	0·00143	0·00360	0·00387	0·00398	0·00668	0·01231	0·02919	0·06693	0·13019	0·40541	DERBY.
GATESHEAD	0·1323	0·06472	0·01368	0·00415	0·00264	0·00387	0·00443	0·00625	0·00988	0·01670	0·03627	0·07982	0·17582	0·21951	GATESHEAD.
HALIFAX	0·1119	0·02078	0·01097	0·00427	0·00106	0·00375	0·00419	0·00512	0·00744	0·01837	0·04293	0·07639	0·18533	0·32432	HALIFAX.
HUDDERSFIELD	0·1236	0·02494	0·00977	0·00363	0·00338	0·00349	0·00338	0·00436	0·00909	0·01567	0·03968	0·08269	0·17679	0·18333	HUDDERSFIELD.
KINGSTON UPON HULL	0·1411	0·04047	0·01022	0·00316	0·00192	0·00284	0·00486	0·00570	0·00916	0·01859	0·03558	0·07261	0·17009	0·23643	KINGSTON UPON HULL.
LEEDS	0·1415	0·04842	0·01212	0·00450	0·00215	0·00351	0·00410	0·00587	0·00975	0·01687	0·03579	0·08223	0·16588	0·33668	LEEDS.
LEICESTER	0·1337	0·03349	0·01008	0·00280	0·00183	0·00362	0·00373	0·00521	0·00699	0·01407	0·02969	0·06251	0·13575	0·28249	LEICESTER.
LIVERPOOL	0·1515	0·07843	0·01816	0·00517	0·00232	0·00409	0·00494	0·00775	0·01341	0·02437	0·04669	0·08509	0·15458	0·28460	LIVERPOOL.
MANCHESTER	0·1545	0·05677	0·01513	0·00405	0·00266	0·00396	0·00441	0·00645	0·01175	0·02184	0·04283	0·08510	0·16404	0·27519	MANCHESTER.
MIDDLESBROUGH	0·1708	0·10147	0·02179	0·00556	0·00347	0·00492	0·00466	0·00621	0·01240	0·02222	0·03941	0·08027	0·16259	0·19565	MIDDLESBROUGH.
NEWCASTLE UPON TYNE	0·1318	0·05379	0·01098	0·00417	0·00254	0·00320	0·00529	0·00576	0·00944	0·01902	0·03625	0·07717	0·16387	0·35088	NEWCASTLE UPON TYNE.
NORWICH	0·1357	0·03351	0·01031	0·00368	0·00181	0·00294	0·00384	0·00466	0·00596	0·01232	0·02862	0·05459	0·14124	0·25359	NORWICH.
NOTTINGHAM	0·1497	0·04954	0·01172	0·00330	0·00166	0·00307	0·00347	0·00531	0·00957	0·01644	0·03161	0·06623	0·15497	0·29960	NOTTINGHAM.
OLDHAM	0·1580	0·04983	0·01352	0·00399	0·00249	0·00345	0·00362	0·00550	0·01051	0·02210	0·04436	0·09543	0·18043	0·26667	OLDHAM.
PLYMOUTH	0·1331	0·04227	0·01014	0·00352	0·00159	0·00409	0·00404	0·00587	0·01213	0·01608	0·03253	0·06376	0·14430	0·24786	PLYMOUTH.
PORTSMOUTH	0·1179	0·03477	0·01012	0·00524	0·00203	0·00231	0·00247	0·00430	0·01034	0·01663	0·03110	0·06699	0·12458	0·32773	PORTSMOUTH.
PRESTON	0·1594	0·04778	0·01541	0·00545	0·00161	0·00386	0·00466	0·00563	0·01040	0·01996	0·04277	0·08665	0·17600	0·30882	PRESTON.
SALFORD	0·1551	0·05790	0·01472	0·00426	0·00250	0·00367	0·00549	0·00694	0·01233	0·02108	0·04545	0·08823	0·15426	0·32292	SALFORD.
SHEFFIELD	0·1402	0·05586	0·01398	0·00343	0·00238	0·00281	0·00378	0·00477	0·00940	0·01964	0·03791	0·08295	0·16003	0·29902	SHEFFIELD.
SOUTHAMPTON	0·1240	0·02747	0·00614	0·00253	0·00123	0·00293	0·00398	0·00712	0·01070	0·01827	0·03034	0·07101	0·13328	0·32886	SOUTHAMPTON.
SOUTH SHIELDS	0·1392	0·05723	0·01051	0·00336	0·00173	0·00406	0·00544	0·00647	0·01056	0·02127	0·03970	0·08771	0·19934	0·34783	SOUTH SHIELDS.
STOCKPORT	0·1531	0·04111	0·01292	0·00369	0·00203	0·00271	0·00349	0·00533	0·00965	0·02015	0·03851	0·08559	0·15230	0·24000	STOCKPORT.
STOKE ON TRENT	0·1814	0·05526	0·01322	0·00442	0·00195	0·00361	0·00413	0·00617	0·01001	0·02282	0·04360	0·09364	0·16639	0·30952	STOKE ON TRENT.
SUNDERLAND	0·1451	0·05837	0·01429	0·00385	0·00311	0·00373	0·00523	0·00683	0·01066	0·01914	0·03433	0·07489	0·15611	0·34043	SUNDERLAND.
WEST HAM	0·1341	0·05098	0·01349	0·00328	0·00239	0·00368	0·00466	0·00528	0·00923	0·01701	0·03244	0·07147	0·15048	0·37441	WEST HAM.
CARDIFF	0·1298	0·03728	0·01093	0·00289	0·00161	0·00359	0·00316	0·00560	0·00947	0·01866	0·03586	0·06926	0·15361	0·28800	CARDIFF.
SWANSEA	0·1293	0·04016	0·01236	0·00387	0·00220	0·00349	0·00509	0·00622	0·00873	0·01622	0·03449	0·06985	0·13591	0·23529	SWANSEA.
Rural Districts in Norfolk and Suffolk	0·0931	0·01495	0·00432	0·00177	0·00148	0·00234	0·00381	0·00445	0·00529	0·00858	0·01908	0·04394	0·11589	0·27759	Rural Districts in Norfolk and Suffolk.

TABLE II.—*Mean annual death-rates in the several Age periods of the life tables according to the experience of the years* 1911–12. *Females.*

Area.	Death-rate per unit population at Age groups.													Area.
	0–*	1–	2–	5–	10–	15–	20–	25–	35–	45–	55–	65–	75–	85–	
SUMMARY.															SUMMARY.
All Areas — North	0·1136	0·04441	0·01172	0·00382	0·00237	0·00304	0·00349	0·00449	0·00726	0·01295	0·02756	0·06198	0·13784	0·25567	All Areas — North.
All Areas — Midlands	0·0942	0·03003	0·00815	0·00286	0·00179	0·00258	0·00300	0·00377	0·00592	0·01002	0·02040	0·04722	0·11244	0·23650	All Areas — Midlands.
All Areas — South (including London)	0·0887	0·02952	0·00784	0·00289	0·00185	0·00233	0·00265	0·00352	0·00606	0·01069	0·02016	0·04524	0·10937	0·23664	All Areas — South (including London).
All Areas — „ (excluding London)	0·0775	0·02014	0·00579	0·00269	0·00174	0·00231	0·00269	0·00335	0·00523	0·00917	0·01766	0·04198	0·10607	0·23180	All Areas — „ (excluding London).
All Areas — Wales	0·1076	0·03358	0·00910	0·00312	0·00210	0·00319	0·00418	0·00540	0·00764	0·01222	0·02508	0·05456	0·11752	0·22674	All Areas — Wales.
All Areas — England and Wales	0·1006	0·03512	0·00936	0·00321	0·00202	0·00271	0·00313	0·00404	0·00651	0·01130	0·02284	0·05126	0·11766	0·23918	All Areas — England and Wales.
London	0·1005	0·04059	0·01032	0·00315	0·00199	0·00237	0·00260	0·00373	0·00711	0·01276	0·02387	0·05065	0·11547	0·24624	London.
County Boroughs — North	0·1186	0·05146	0·01345	0·00410	0·00255	0·00319	0·00358	0·00463	0·00799	0·01430	0·02974	0·06568	0·14207	0·25591	County Boroughs — North.
County Boroughs — Midlands	0·1129	0·04235	0·01157	0·00353	0·00194	0·00270	0·00328	0·00405	0·00724	0·01251	0·02378	0·05443	0·12502	0·24545	County Boroughs — Midlands.
County Boroughs — South	0·0892	0·02624	0·00754	0·00355	0·00194	0·00242	0·00288	0·00344	0·00583	0·01006	0·01872	0·04400	0·10883	0·23351	County Boroughs — South.
County Boroughs — Wales	0·1141	0·04043	0·01191	0·00398	0·00213	0·00321	0·00399	0·00538	0·00821	0·01375	0·02755	0·05706	0·10620	0·22438	County Boroughs — Wales.
County Boroughs — England and Wales	0·1139	0·04568	0·01222	0·00386	0·00228	0·00295	0·00343	0·00435	0·00752	0·01320	0·02637	0·05861	0·12898	0·24553	County Boroughs — England and Wales.
Other Urban Districts — North	0·1122	0·04072	0·01092	0·00377	0·00228	0·00299	0·00348	0·00433	0·00673	0·01223	0·02676	0·06145	0·14042	0·25644	Other Urban Districts — North.
Other Urban Districts — Midlands	0·0915	0·02851	0·00754	0·00274	0·00175	0·00247	0·00269	0·00348	0·00543	0·00954	0·02030	0·04716	0·11146	0·23232	Other Urban Districts — Midlands.
Other Urban Districts — South	0·0794	0·02184	0·00642	0·00271	0·00170	0·00217	0·00239	0·00320	0·00511	0·00945	0·01790	0·04204	0·10563	0·23049	Other Urban Districts — South.
Other Urban Districts — Wales	0·1147	0·03842	0·01004	0·00294	0·00203	0·00295	0·00387	0·00514	0·00776	0·01274	0·02707	0·05634	0·12178	0·20481	Other Urban Districts — Wales.
Other Urban Districts — England and Wales	0·0996	0·03280	0·00879	0·00311	0·00195	0·00264	0·00301	0·00386	0·00600	0·01069	0·02244	0·05103	0·11807	0·23488	Other Urban Districts — England and Wales.
Rural Districts — North	0·0984	0·02945	0·00772	0·00302	0·00196	0·00263	0·00317	0·00436	0·00586	0·00981	0·02200	0·05137	0·12163	0·25382	Rural Districts — North.
Rural Districts — Midlands	0·0762	0·01884	0·00539	0·00232	0·00168	0·00262	0·00317	0·00393	0·00523	0·00822	0·01757	0·04201	0·10566	0·23597	Rural Districts — Midlands.
Rural Districts — South	0·0677	0·01463	0·00403	0·00217	0·00167	0·00242	0·00298	0·00348	0·00498	0·00826	0·01673	0·04073	0·10481	0·23233	Rural Districts — South.
Rural Districts — Wales	0·0915	0·02147	0·00597	0·00289	0·00219	0·00354	0·00478	0·00580	0·00714	0·01078	0·02193	0·05201	0·11754	0·24216	Rural Districts — Wales.
Rural Districts — England and Wales	0·0813	0·02059	0·00565	0·00250	0·00179	0·00267	0·00329	0·00410	0·00549	0·00879	0·01859	0·04421	0·10892	0·23753	Rural Districts — England and Wales.
Administrative Counties.															*Administrative Counties.*
BEDFORDSHIRE	0·0908	0·02220	0·00645	0·00263	0·00134	0·00304	0·00257	0·00354	0·00527	0·00899	0·01783	0·04549	0·10571	0·22452	BEDFORDSHIRE.
BERKSHIRE	0·0615	0·01557	0·00460	0·00222	0·00174	0·00199	0·00267	0·00388	0·00487	0·00821	0·01659	0·04149	0·11129	0·21791	BERKSHIRE.
BUCKINGHAMSHIRE	0·0772	0·01710	0·00555	0·00248	0·00142	0·00290	0·00327	0·00301	0·00419	0·00782	0·01844	0·04422	0·11159	0·23238	BUCKINGHAMSHIRE.
CAMBRIDGESHIRE	0·0740	0·01910	0·00652	0·00387	0·00184	0·00191	0·00250	0·00337	0·00416	0·00762	0·01758	0·03881	0·09164	0·22665	CAMBRIDGESHIRE.
CHESHIRE	0·0991	0·02939	0·00813	0·00315	0·00196	0·00237	0·00235	0·00367	0·00584	0·01089	0·02409	0·05504	0·13203	0·23836	CHESHIRE.
CORNWALL	0·0989	0·02271	0·00662	0·00288	0·00171	0·00272	0·00360	0·00368	0·00533	0·00976	0·01801	0·04469	0·11102	0·24736	CORNWALL.
CUMBERLAND	0·1038	0·03140	0·00994	0·00314	0·00209	0·00298	0·00385	0·00506	0·00652	0·01196	0·02360	0·05984	0·12276	0·24522	CUMBERLAND.
DERBYSHIRE	0·1028	0·02906	0·00848	0·00309	0·00180	0·00272	0·00293	0·00386	0·00587	0·01014	0·02208	0·05487	0·13189	0·24797	DERBYSHIRE.
DEVONSHIRE	0·0757	0·01941	0·00577	0·00287	0·00215	0·00269	0·00313	0·00404	0·00563	0·00898	0·01889	0·04303	0·10427	0·23678	DEVONSHIRE.
DORSETSHIRE	0·0686	0·01068	0·00461	0·00263	0·00113	0·00239	0·00316	0·00341	0·00557	0·00881	0·01794	0·04362	0·11012	0·23364	DORSETSHIRE.

* Infant mortality per birth.

Durham	0·1191	0·04526	0·01161	0·00360	0·00244	0·00312	0·00382	0·00509	0·00737	0·01284	0·02662	0·06311	0·13402	0·28663	Durham.
Ely, Isle of	0·0936	0·02207	0·00554	0·00299	0·00105	0·00392	0·00394	0·00357	0·00648	0·00676	0·01771	0·04217	0·10249	0·20195	Ely, Isle of.
Essex	0·0772	0·02353	0·00531	0·00230	0·00153	0·00254	0·00257	0·00341	0·00555	0·00913	0·01889	0·04248	0·10782	0·23400	Essex.
Gloucestershire	0·0727	0·01676	0·00452	0·00190	0·00199	0·00264	0·00333	0·00378	0·00497	0·00848	0·01762	0·04420	0·10640	0·24340	Gloucestershire.
Herefordshire	0·0630	0·01590	0·00483	0·00272	0·00176	0·00241	0·00316	0·00471	0·00525	0·00918	0·02166	0·04587	0·11051	0·21402	Herefordshire.
Hertfordshire	0·0654	0·01684	0·00561	0·00184	0·00138	0·00208	0·00214	0·00312	0·00454	0·00796	0·01713	0·04037	0·09997	0·21797	Hertfordshire.
Huntingdonshire	0·0768	0·02288	0·00478	0·00203	0·00018	0·00258	0·00505	0·00296	0·00411	0·00773	0·01700	0·03795	0·10629	0·24621	Huntingdonshire.
Kent	0·0810	0·02410	0·00637	0·00260	0·00184	0·00220	0·00271	0·00332	0·00553	0·00943	0·01754	0·04064	0·10233	0·21639	Kent.
Lancashire	0·1137	0·03715	0·01018	0·00377	0·00221	0·00316	0·00341	0·00417	0·00679	0·01248	0·02761	0·06255	0·14279	0·25584	Lancashire.
Leicestershire	0·0834	0·02060	0·00747	0·00285	0·00223	0·00310	0·00356	0·00385	0·00525	0·00915	0·01974	0·04648	0·10674	0·24345	Leicestershire.
Lincoln: Holland	0·0966	0·02629	0·00605	0·00251	0·00230	0·00295	0·00237	0·00400	0·00672	0·00927	0·01628	0·03973	0·11525	0·21751	Lincoln: Holland.
,, Kesteven	0·0739	0·02132	0·00506	0·00207	0·00192	0·00294	0·00290	0·00432	0·00476	0·00810	0·01615	0·04242	0·10837	0·22851	,, Kesteven.
,, Lindsey	0·0988	0·02048	0·00683	0·00254	0·00168	0·00239	0·00338	0·00441	0·00591	0·00785	0·01878	0·04093	0·10675	0·23429	,, Lindsey.
London	0·1005	0·04059	0·01032	0·00315	0·00199	0·00237	0·00260	0·00373	0·00711	0·01276	0·02387	0·05065	0·11547	0·24624	London.
Middlesex	0·0854	0·02502	0·00704	0·00235	0·00160	0·00204	0·00223	0·00314	0·00490	0·00878	0·01887	0·04286	0·10136	0·22107	Middlesex.
Monmouthshire	0·1140	0·04470	0·00996	0·00274	0·00169	0·00238	0·00432	0·00517	0·00781	0·01348	0·02628	0·05498	0·11524	0·17766	Monmouthshire.
Norfolk	0·0846	0·01784	0·00411	0·00144	0·00151	0·00247	0·00357	0·00380	0·00524	0·00775	0·01576	0·03758	0·10307	0·24168	Norfolk.
Northamptonshire	0·0773	0·01709	0·00509	0·00309	0·00248	0·00266	0·00381	0·00372	0·00548	0·00829	0·01730	0·04031	0·10655	0·23904	Northamptonshire.
Northumberland	0·1057	0·03372	0·00890	0·00272	0·00202	0·00281	0·00407	0·00425	0·00606	0·01159	0·02513	0·05639	0·12503	0·28096	Northumberland.
Nottinghamshire	0·0946	0·03100	0·00787	0·00301	0·00172	0·00275	0·00306	0·00366	0·00531	0·01025	0·02042	0·05533	0·10875	0·26698	Nottinghamshire.
Oxfordshire	0·0650	0·01495	0·00659	0·00214	0·00163	0·00221	0·00314	0·00328	0·00502	0·00939	0·01775	0·04291	0·09580	0·24415	Oxfordshire.
Peterborough, Soke of	0·0953	0·02685	0·00779	0·00342	0·00177	0·00299	0·00231	0·00297	0·00458	0·00944	0·01730	0·04696	0·11134	0·20541	Peterborough, Soke of.
Rutlandshire	0·0598	0·02514	0·00166	0·00247	0·00164	0·00116	0·00253	0·00415	0·00556	0·00781	0·02142	0·04359	0·09325	0·23469	Rutlandshire.
Shropshire	0·0682	0·02331	0·00608	0·00252	0·00144	0·00233	0·00314	0·00440	0·00619	0·00854	0·02049	0·04835	0·11680	0·21935	Shropshire.
Somersetshire	0·0661	0·01341	0·00431	0·00267	0·00168	0·00254	0·00300	0·00349	0·00483	0·00997	0·01885	0·04373	0·10973	0·23640	Somersetshire.
Southampton	0·0716	0·01748	0·00459	0·00209	0·00155	0·00201	0·00260	0·00355	0·00496	0·00854	0·01729	0·04169	0·10763	0·24133	Southampton.
Staffordshire	0·1039	0·03554	0·00960	0·00336	0·00209	0·00306	0·00320	0·00427	0·00649	0·01085	0·02352	0·05463	0·13351	0·24208	Staffordshire.
Suffolk, East	0·0813	0·01932	0·00453	0·00239	0·00172	0·00214	0·00348	0·00441	0·00474	0·00762	0·01935	0·03991	0·10680	0·25922	Suffolk, East.
,, West	0·0759	0·01912	0·00519	0·00177	0·00142	0·00235	0·00347	0·00498	0·00630	0·00990	0·01668	0·04439	0·09771	0·25601	,, West.
Surrey	0·0730	0·01851	0·00532	0·00245	0·00154	0·00236	0·00173	0·00263	0·00427	0·00786	0·01534	0·03713	0·09647	0·22448	Surrey.
Sussex, East	0·0646	0·01330	0·00448	0·00192	0·00144	0·00174	0·00218	0·00287	0·00423	0·00846	0·01736	0·04103	0·09660	0·22581	Sussex, East.
,, West	0·0618	0·01499	0·00577	0·00216	0·00137	0·00164	0·00256	0·00272	0·00451	0·00845	0·01398	0·03979	0·10318	0·22984	,, West.
Warwickshire	0·0820	0·02731	0·00848	0·00299	0·00172	0·00226	0·00269	0·00368	0·00524	0·00957	0·01888	0·04554	0·10807	0·23796	Warwickshire.
Westmorland	0·0618	0·01099	0·00362	0·00264	0·00113	0·00172	0·00162	0·00401	0·00436	0·00901	0·02181	0·04779	0·12154	0·20652	Westmorland.
Wight, Isle of	0·0665	0·01321	0·00423	0·00196	0·00143	0·00205	0·00284	0·00378	0·00554	0·00903	0·01788	0·03911	0·10295	0·24156	Wight, Isle of.
Wiltshire	0·0644	0·01523	0·00354	0·00194	0·00177	0·00212	0·00229	0·00335	0·00535	0·00876	0·01800	0·04198	0·11616	0·24338	Wiltshire.
Worcestershire	0·0881	0·03353	0·00670	0·00256	0·00215	0·00252	0·00260	0·00336	0·00527	0·00920	0·01920	0·04393	0·10747	0·22364	Worcestershire.
Yorkshire, East Riding	0·0894	0·01719	0·00531	0·00312	0·00149	0·00259	0·00313	0·00387	0·00550	0·00827	0·02052	0·03820	0·10026	0·20768	Yorkshire, East Riding.
,, North ,,	0·0950	0·03916	0·00931	0·00464	0·00212	0·00276	0·00347	0·00464	0·00649	0·01029	0·02116	0·04898	0·11893	0·23279	,, North ,,
,, West ,,	0·1058	0·03964	0·01048	0·00361	0·00228	0·00280	0·00349	0·00434	0·00631	0·01094	0·02522	0·05982	0·14386	0·27434	,, West ,,
Anglesey	0·0946	0·01856	0·00336	0·00402	0·00387	0·00434	0·00585	0·00650	0·00756	0·01139	0·01912	0·04534	0·10606	0·24409	Anglesey.
Brecknockshire	0·0997	0·03197	0·00617	0·00317	0·00206	0·00383	0·00533	0·00531	0·00858	0·01057	0·02288	0·04872	0·11188	0·15676	Brecknockshire.
Cardiganshire	0·0818	0·01327	0·00864	0·00170	0·00288	0·00531	0·00600	0·00766	0·00782	0·01227	0·01898	0·05570	0·12451	0·22287	Cardiganshire.
Carmarthenshire	0·1028	0·02166	0·00615	0·00317	0·00298	0·00320	0·00477	0·00615	0·00882	0·01078	0·02801	0·05283	0·11739	0·23153	Carmarthenshire.
Carnarvonshire	0·1081	0·02849	0·00771	0·00389	0·00277	0·00424	0·00437	0·00537	0·00737	0·01031	0·02287	0·04947	0·12808	0·23892	Carnarvonshire.
Denbighshire	0·0976	0·02784	0·00736	0·00257	0·00143	0·00272	0·00351	0·00454	0·00656	0·01351	0·02420	0·05869	0·12587	0·26899	Denbighshire.
Flintshire	0·0809	0·02295	0·00586	0·00271	0·00240	0·00294	0·00348	0·00461	0·00674	0·01002	0·02424	0·05476	0·12919	0·23077	Flintshire.
Glamorganshire	0·1135	0·03507	0·00985	0·00290	0·00199	0·00312	0·00394	0·00530	0·00742	0·01229	0·02635	0·05714	0·11951	0·20562	Glamorganshire.
Merionethshire	0·0951	0·02614	0·00447	0·00317	0·00130	0·00328	0·00556	0·00824	0·00918	0·01123	0·02273	0·05140	0·11687	0·28205	Merionethshire.
Montgomeryshire	0·0814	0·01312	0·00514	0·00114	0·00185	0·00319	0·00473	0·00538	0·00640	0·01175	0·02101	0·04819	0·11412	0·25521	Montgomeryshire.
Pembrokeshire	0·0835	0·01517	0·00527	0·00379	0·00207	0·00327	0·00294	0·00494	0·00678	0·01025	0·02415	0·05578	0·11832	0·27219	Pembrokeshire.
Radnorshire	0·0480	0·01928	0·00673	0·00275	0·00140	0·00408	0·00563	0·00383	0·00549	0·00999	0·02014	0·05192	0·09502	0·15909	Radnorshire.

TABLE II.—*Mean annual death-rates in the several Age periods of the life tables according to the experience of the years* 1911–12. *Females—contd.*

Area.	Death-rate per unit population at Age groups.													Area.
	0–*	1–	2–	5–	10–	15–	20–	25–	35–	45–	55–	65–	75–	85–	
Administrative Counties with Urban and Rural Aggregates containing more than 200,000 population in each.															*Administrative Counties with Urban and Rural Aggregates containing more than 200,000 population in each.*
DERBYSHIRE :															DERBYSHIRE :
Urban Districts	0·1097	0·03066	0·01028	0·00339	0·00194	0·00263	0·00287	0·00368	0·00645	0·00988	0·02431	0·05798	0·13741	0·22895	Urban Districts.
Rural Districts	0·0954	0·02738	0·00667	0·00278	0·00165	0·00282	0·00299	0·00408	0·00523	0·01043	0·01971	0·05183	0·12672	0·26294	Rural Districts.
DEVONSHIRE :															DEVONSHIRE :
Urban Districts	0·0830	0·02622	0·00752	0·00319	0·00204	0·00264	0·00319	0·00394	0·00541	0·00935	0·01866	0·04108	0·10280	0·24633	Urban Districts.
Rural Districts	0·0687	0·01347	0·00415	0·00258	0·00226	0·00275	0·00305	0·00416	0·00589	0·00854	0·01916	0·04530	0·10605	0·22492	Rural Districts.
DURHAM :															DURHAM :
Urban Districts	0·1167	0·04932	0·01198	0·00369	0·00253	0·00301	0·00407	0·00512	0·00759	0·01372	0·02785	0·06499	0·13243	0·30000	Urban Districts.
Rural Districts	0·1221	0·04019	0·01115	0·00349	0·00234	0·00326	0·00349	0·00506	0·00709	0·01163	0·02492	0·06053	0·13607	0·26914	Rural Districts.
ESSEX :															ESSEX :
Urban Districts	0·0791	0·02572	0·00539	0·00251	0·00159	0·00250	0·00243	0·00335	0·00554	0·00956	0·01980	0·04458	0·10900	0·22586	Urban Districts.
Rural Districts	0·0708	0·01599	0·00505	0·00162	0·00133	0·00269	0·00308	0·00363	0·00558	0·00789	0·01667	0·03806	0·10575	0·24670	Rural Districts.
KENT :															KENT :
Urban Districts	0·0831	0·02644	0·00722	0·00291	0·00186	0·00225	0·00250	0·00315	0·00573	0·00981	0·01837	0·04169	0·10712	0·22710	Urban Districts.
Rural Districts	0·0759	0·01899	0·00446	0·00192	0·00180	0·00206	0·00333	0·00376	0·00503	0·00854	0·01569	0·03830	0·09242	0·19376	Rural Districts.
LANCASHIRE :															LANCASHIRE :
Urban Districts	0·1173	0·03896	0·01071	0·00387	0·00222	0·00323	0·00343	0·00422	0·00693	0·01294	0·02854	0·06429	0·14713	0·25389	Urban Districts.
Rural Districts	0·0884	0·02504	0·00683	0·00308	0·00215	0·00270	0·00329	0·00386	0·00585	0·00962	0·02225	0·05302	0·12240	0·26480	Rural Districts.
SOUTHAMPTON :															SOUTHAMPTON :
Urban Districts	0·0763	0·02258	0·00548	0·00213	0·00147	0·00156	0·00200	0·00392	0·00498	0·00999	0·01832	0·04234	0·10356	0·23792	Urban Districts.
Rural Districts	0·0669	0·01284	0·00378	0·00206	0·00161	0·00241	0·00318	0·00319	0·00494	0·00739	0·01655	0·04121	0·11057	0·24365	Rural Districts.
STAFFORDSHIRE :															STAFFORDSHIRE :
Urban Districts	0·1126	0·03988	0·01093	0·00356	0·00231	0·00327	0·00329	0·00444	0·00688	0·01175	0·02496	0·05892	0·14049	0·26242	Urban Districts.
Rural Districts	0·0796	0·02418	0·00617	0·00288	0·00153	0·00256	0·00296	0·00384	0·00560	0·00888	0·02062	0·04668	0·12177	0·21545	Rural Districts.
SURREY :															SURREY :
Urban Districts	0·0751	0·01873	0·00577	0·00240	0·00176	0·00240	0·00181	0·00260	0·00433	0·00822	0·01624	0·03797	0·10031	0·22337	Urban Districts.
Rural Districts	0·0688	0·01809	0·00443	0·00253	0·00112	0·00229	0·00154	0·00269	0·00415	0·00715	0·01351	0·03533	0·08807	0·22719	Rural Districts.
YORKSHIRE, WEST RIDING :															YORKSHIRE, WEST RIDING :
Urban Districts	0·1096	0·04115	0·01122	0·00381	0·00240	0·00293	0·00348	0·00435	0·00643	0·01144	0·02597	0·06266	0·14786	0·28622	Urban Districts.
Rural Districts	0·0954	0·03546	0·00842	0·00302	0·00191	0·00231	0·00350	0·00431	0·00588	0·00916	0·02258	0·05042	0·13267	0·24717	Rural Districts.

* Infant mortality per birth.

GLAMORGANSHIRE:														GLAMORGANSHIRE:
Urban Districts	0·1197	0·03855	0·01086	0·00299	0·00202	0·00327	0·00400	0·00535	0·00791	0·01230	0·02835	0·05941	0·12325	0·19512	Urban Districts.
Rural Districts	0·0956	0·02503	0·00711	0·00265	0·00189	0·00274	0·00380	0·00515	0·00620	0·01229	0·02221	0·05283	0·11335	0·22180	Rural Districts.
County Boroughs with populations exceeding 100,000.															*County Boroughs with populations exceeding* 100,000.
BIRKENHEAD	0·1095	0·05119	0·01199	0·00457	0·00287	0·00263	0·00261	0·00386	0·00803	0·01370	0·02604	0·05711	0·11869	0·20796	BIRKENHEAD.
BIRMINGHAM	0·1193	0·05135	0·01409	0·00401	0·00211	0·00244	0·00281	0·00369	0·00782	0·01405	0·02715	0·05708	0·12704	0·24378	BIRMINGHAM.
BLACKBURN	0·1431	0·04127	0·01115	0·00381	0·00166	0·00325	0·00344	0·00510	0·00722	0·01267	0·03091	0·07053	0·14274	0·29245	BLACKBURN.
BOLTON	0·1199	0·03749	0·00937	0·00362	0·00228	0·00303	0·00321	0·00398	0·00780	0·01453	0·02992	0·06898	0·16242	0·25874	BOLTON.
BRADFORD	0·1056	0·02953	0·00947	0·00297	0·00279	0·00326	0·00386	0·00453	0·00746	0·01232	0·02797	0·06430	0·13524	0·27928	BRADFORD.
BRIGHTON	0·0818	0·02901	0·00555	0·00170	0·00173	0·00244	0·00289	0·00295	0·00630	0·01142	0·01967	0·04295	0·11819	0·22222	BRIGHTON.
BRISTOL	0·1038	0·03984	0·01061	0·00300	0·00195	0·00278	0·00299	0·00405	0·00717	0·01075	0·02211	0·04910	0·12090	0·24144	BRISTOL.
BURNLEY	0·1565	0·05598	0·01302	0·00368	0·00216	0·00374	0·00382	0·00410	0·00812	0·01497	0·03139	0·07793	0·16160	0·25806	BURNLEY.
COVENTRY	0·0794	0·03457	0·01020	0·00503	0·00168	0·00292	0·00388	0·00349	0·00611	0·01040	0·02492	0·05249	0·13350	0·32530	COVENTRY.
CROYDON	0·0814	0·01966	0·00580	0·00319	0·00151	0·00168	0·00220	0·00282	0·00523	0·00912	0·01747	0·03955	0·10558	0·23194	CROYDON.
DERBY	0·0861	0·02678	0·00890	0·00346	0·00213	0·00263	0·00319	0·00423	0·00718	0·01019	0·02221	0·06534	0·14679	0·24581	DERBY.
GATESHEAD	0·1115	0·06387	0·01359	0·00342	0·00275	0·00297	0·00521	0·00527	0·00818	0·01471	0·02980	0·06317	0·13873	0·31200	GATESHEAD.
HALIFAX	0·0931	0·02842	0·00845	0·00318	0·00289	0·00276	0·00302	0·00357	0·00691	0·01273	0·02663	0·06534	0·16060	0·25658	HALIFAX.
HUDDERSFIELD	0·1057	0·03644	0·00940	0·00272	0·00207	0·00272	0·00356	0·00326	0·00781	0·01314	0·02914	0·06598	0·14706	0·31008	HUDDERSFIELD.
KINGSTON UPON HULL	0·1153	0·04752	0·01038	0·00392	0·00199	0·00304	0·00339	0·00485	0·00734	0·01251	0·02586	0·05876	0·12539	0·25462	KINGSTON UPON HULL.
LEEDS	0·1198	0·04356	0·01247	0·00437	0·00258	0·00342	0·00373	0·00425	0·00708	0·01266	0·02758	0·06240	0·15177	0·32432	LEEDS.
LEICESTER	0·1057	0·03377	0·00932	0·00356	0·00170	0·00322	0·00382	0·00404	0·00659	0·01150	0·02221	0·05810	0·12122	0·23969	LEICESTER.
LIVERPOOL	0·1286	0·07121	0·01746	0·00452	0·00305	0·00331	0·00360	0·00542	0·00988	0·01771	0·03487	0·07092	0·14209	0·24689	LIVERPOOL.
MANCHESTER	0·1244	0·05323	0·01370	0·00428	0·00243	0·00333	0·00372	0·00448	0·00852	0·01593	0·03132	0·06981	0·13760	0·23855	MANCHESTER.
MIDDLESBROUGH	0·1233	0·07564	0·02194	0·00517	0·00306	0·00300	0·00415	0·00396	0·01026	0·01208	0·03558	0·06828	0·15725	0·21176	MIDDLESBROUGH.
NEWCASTLE UPON TYNE.. ..	0·1060	0·04552	0·01321	0·00441	0·00263	0·00320	0·00347	0·00496	0·00729	0·01437	0·03096	0·06370	0·13229	0·25325	NEWCASTLE UPON TYNE.
NORWICH	0·1005	0·02874	0·01072	0·00360	0·00171	0·00295	0·00428	0·00325	0·00509	0·00933	0·01506	0·04243	0·10798	0·21556	NORWICH.
NOTTINGHAM	0·1302	0·04351	0·01248	0·00281	0·00153	0·00279	0·00317	0·00431	0·00670	0·01290	0·02359	0·05788	0·13445	0·28974	NOTTINGHAM.
OLDHAM	0·1198	0·05054	0·01284	0·00406	0·00268	0·00399	0·00441	0·00549	0·00779	0·01705	0·03483	0·07691	0·14439	0·35000	OLDHAM.
PLYMOUTH	0·1163	0·04083	0·00879	0·00435	0·00191	0·00395	0·00398	0·00490	0·00714	0·01222	0·02316	0·04807	0·11793	0·19874	PLYMOUTH.
PORTSMOUTH	0·0923	0·02829	0·01033	0·00598	0·00263	0·00308	0·00322	0·00352	0·00668	0·01104	0·02110	0·04917	0·12636	0·24374	PORTSMOUTH.
PRESTON	0·1344	0·03817	0·01569	0·00617	0·00319	0·00357	0·00361	0·00432	0·00837	0·01234	0·03384	0·07357	0·15942	0·25000	PRESTON.
SALFORD	0·1245	0·06031	0·01468	0·00412	0·00248	0·00314	0·00310	0·00483	0·00874	0·01462	0·03313	0·07147	0·15667	0·23923	SALFORD.
SHEFFIELD	0·1058	0·05224	0·01352	0·00356	0·00199	0·00259	0·00314	0·00408	0·00695	0·01291	0·02601	0·05766	0·14210	0·23992	SHEFFIELD.
SOUTHAMPTON	0·0953	0·03498	0·00601	0·00397	0·00208	0·00222	0·00219	0·00386	0·00717	0·01229	0·02009	0·05045	0·10047	0·22656	SOUTHAMPTON.
SOUTH SHIELDS	0·1118	0·05303	0·01148	0·00346	0·00237	0·00364	0·00429	0·00658	0·00971	0·01382	0·02973	0·07504	0·13771	0·22430	SOUTH SHIELDS.
STOCKPORT	0·1276	0·04076	0·01071	0·00304	0·00244	0·00265	0·00270	0·00444	0·00812	0·01305	0·03054	0·06455	0·15077	0·21600	STOCKPORT.
STOKE ON TRENT	0·1465	0·04454	0·01398	0·00385	0·00317	0·00295	0·00365	0·00538	0·01002	0·01670	0·03248	0·07172	0·14172	0·20670	STOKE ON TRENT.
SUNDERLAND	0·1217	0·05383	0·01381	0·00446	0·00294	0·00284	0·00300	0·00488	0·00866	0·01424	0·02956	0·06028	0·14139	0·23699	SUNDERLAND.
WEST HAM	0·1100	0·05498	0·01197	0·00342	0·00207	0·00223	0·00296	0·00416	0·00743	0·01402	0·02589	0·05730	0·12509	0·31892	WEST HAM.
CARDIFF	0·1150	0·03317	0·01067	0·00385	0·00245	0·00268	0·00413	0·00517	0·00794	0·01227	0·02713	0·05639	0·10371	0·25446	CARDIFF.
SWANSEA	0·1086	0·04921	0·01311	0·00476	0·00191	0·00353	0·00400	0·00543	0·00843	0·01383	0·02848	0·05736	0·10377	0·20879	SWANSEA.
Rural Districts in Norfolk and Suffolk	0·0767	0·01600	0·00427	0·00176	0·00150	0·00245	0·00381	0·00466	0·00521	0·00735	0·01645	0·03758	0·10233	0·24617	Rural Districts in Norfolk and Suffolk.

TABLE III.— l_x : *Survivors at several Ages per* 100,000 *born, according to the Mortality experience of the years* 1911–12. *Males.*

Area.	Survivors at Age :—															Area.
	0	1	2	5	10	15	20	25	35	45	55	65	75	85	95	
SUMMARY.																SUMMARY.
All Areas — North	100,000	86,150	82,387	79,572	78,024	77,150	75,801	74,260	70,430	64,393	54,250	37,851	17,114	2,866	105	All Areas — North.
All Areas — Midlands	100,000	88,170	85,599	83,548	82,271	81,596	80,535	79,094	75,709	70,619	62,139	47,597	25,833	5,941	261	All Areas — Midlands.
All Areas — South (including London)	100,000	89,150	86,426	84,355	83,018	82,279	81,225	79,816	76,065	69,882	60,106	44,903	24,157	5,848	303	All Areas — South(incl. London).
All Areas — ,, (excluding London)	100,000	90,280	88,351	86,684	85,431	84,771	83,727	82,333	78,754	73,369	64,901	50,768	28,877	7,598	404	All Areas — ,, (excl. London).
All Areas — Wales	100,000	86,670	83,818	81,665	80,328	79,558	78,259	76,735	73,158	67,671	58,769	43,538	22,165	4,765	290	All Areas — Wales.
All Areas — England and Wales	100,000	87,600	84,550	82,220	80,832	80,066	78,915	77,468	73,812	68,051	58,580	43,120	22,023	4,759	220	All Areas — England and Wales.
London	100,000	87,960	84,321	81,776	80,338	79,498	78,422	77,006	73,071	66,025	54,808	38,345	18,728	3,752	183	London.
County Boroughs — North	100,000	85,500	81,190	78,027	76,367	75,464	74,122	72,523	68,361	61,556	50,343	33,383	13,964	2,136	85	County Boroughs — North.
County Boroughs — Midlands	100,000	85,980	82,478	79,773	78,336	77,612	76,465	74,980	71,295	65,415	55,702	40,168	19,546	3,683	126	County Boroughs — Midlands.
County Boroughs — South	100,000	88,890	86,366	84,289	82,799	82,131	81,127	79,792	75,974	69,377	59,854	45,026	23,820	5,954	343	County Boroughs — South.
County Boroughs — Wales	100,000	86,620	83,270	80,565	79,183	78,413	77,016	75,431	71,285	65,036	54,587	38,419	18,628	3,768	186	County Boroughs — Wales.
County Boroughs — England and Wales	100,000	86,020	82,170	79,271	77,706	76,885	75,615	74,085	70,105	63,610	53,034	36,709	16,737	3,027	126	County Boroughs — England and Wales.
Other Urban Districts — North	100,000	86,480	83,000	80,388	78,899	78,031	76,632	75,093	71,543	66,260	56,670	40,215	18,214	2,948	102	Other Urban Districts — North.
Other Urban Districts — Midlands	100,000	88,470	86,025	84,064	82,794	82,162	81,090	79,712	76,553	71,628	63,217	48,315	25,941	6,140	320	Other Urban Districts — Midlands.
Other Urban Districts — South	100,000	89,970	88,016	86,263	84,980	84,303	83,203	81,794	78,247	72,859	64,104	49,460	27,252	7,035	385	Other Urban Districts — South.
Other Urban Districts — Wales	100,000	85,750	82,507	80,187	78,845	78,059	76,834	75,443	72,157	66,870	57,763	41,905	20,165	4,101	209	Other Urban Districts — Wales.
Other Urban Districts — England and Wales	100,000	87,700	84,876	82,681	81,324	80,585	79,394	77,952	74,571	69,394	60,410	44,860	22,704	4,904	238	Other Urban Districts — England and Wales.
Rural Districts — North	100,000	87,640	85,073	83,013	81,724	80,941	79,778	78,379	75,047	70,175	62,950	49,309	26,987	5,609	197	Rural Districts — North.
Rural Districts — Midlands	100,000	90,290	88,584	87,145	86,029	85,339	84,363	82,907	79,558	75,170	67,915	54,745	32,127	7,930	337	Rural Districts — Midlands.
Rural Districts — South	100,000	91,550	90,027	88,710	87,628	86,994	85,994	84,590	81,156	76,577	69,053	55,800	33,716	9,196	463	Rural Districts — South.
Rural Districts — Wales	100,000	88,220	86,338	84,788	83,483	82,740	81,400	79,644	75,946	70,629	62,994	48,885	27,162	6,176	433	Rural Districts — Wales.
Rural Districts — England and Wales	100,000	89,700	87,806	86,238	85,069	84,371	83,315	81,847	78,446	73,800	66,460	53,098	30,809	7,561	344	Rural Districts — England and Wales.
Administrative Counties.																*Administrative Counties.*
BEDFORDSHIRE	100,000	(33) 89,460	(33) 87,479	(31) 86,211	(30) 85,063	(29) 84,377	(27) 83,519	(27) 82,179	(25) 78,694	(27) 73,760	(28) 65,854	(27) 52,000	(25) 29,782	(32) 6,783	(30) 346	BEDFORDSHIRE.
BERKSHIRE	100,000	(4) 91,950	(4) 90,231	(5) 88,821	(3) 87,991	(4) 87,358	(4) 86,354	(6) 84,902	(9) 81,017	(9) 76,258	(14) 67,980	(13) 54,532	(12) 32,148	(12) 8,430	(3) 641	BERKSHIRE.
BUCKINGHAMSHIRE	100,000	(15) 91,000	(14) 89,383	(15) 87,915	(14) 86,760	(17) 86,111	(19) 85,113	(14) 83,784	(15) 80,335	(11) 75,966	(13) 68,277	(16) 54,211	(24) 30,154	(28) 7,305	(17) 394	BUCKINGHAMSHIRE.
CAMBRIDGESHIRE	100,000	(17) 90,930	(24) 88,706	(28) 86,676	(32) 84,750	(32) 84,041	(31) 82,973	(31) 81,413	(34) 77,711	(34) 72,704	(32) 64,832	(30) 51,674	(27) 29,579	(27) 7,328	(53) 163	CAMBRIDGESHIRE.

Cheshire	100,000	(47) 87,760	(46) 85,144	(48) 83,096	(48) 81,724	(48) 80,845	(48) 79,687	(48) 78,256	(47) 74,900	(47) 69,527	(48) 60,387	(52) 44,574	(55) 21,744	(60) 3,622	(52) 166	Cheshire.
Cornwall	100,000	(43) 88,240	(41) 86,195	(40) 84,708	(38) 83,270	(41) 82,277	(44) 80,784	(44) 78,955	(46) 74,905	(48) 69,059	(49) 60,188	(48) 46,185	(47) 24,398	(41) 6,096	(37) 303	Cornwall.
Cumberland	100,000	(50) 87,480	(50) 84,874	(53) 82,442	(52) 81,116	(53) 80,204	(53) 79,208	(53) 77,538	(53) 73,652	(58) 67,359	(56) 58,724	(57) 43,020	(56) 21,542	(55) 4,204	(58) 112	Cumberland.
Derbyshire	100,000	(52) 87,140	(53) 84,556	(52) 82,463	(53) 81,094	(52) 80,361	(50) 79,277	(49) 78,238	(42) 75,484	(40) 71,058	(41) 63,514	(41) 48,311	(44) 24,731	(51) 4,649	(56) 138	Derbyshire.
Devonshire	100,000	(22) 90,510	(23) 88,769	(26) 86,961	(26) 85,656	(26) 84,919	(26) 83,798	(26) 82,214	(32) 77,870	(32) 72,800	(34) 64,537	(35) 50,923	(28) 29,514	(13) 8,314	(13) 473	Devonshire.
Dorsetshire	100,000	(5) 91,710	(5) 90,212	(6) 88,708	(9) 87,389	(9) 86,672	(8) 85,927	(4) 85,011	(5) 81,707	(4) 77,104	(5) 69,244	(9) 55,230	(10) 32,762	(14) 8,311	(36) 320	Dorsetshire.
Durham	100,000	(62) 85,440	(62) 81,709	(62) 79,031	(62) 77,560	(62) 76,753	(62) 75,346	(62) 73,910	(62) 70,514	(61) 65,679	(60) 57,152	(58) 42,961	(59) 20,761	(58) 3,904	(59) 107	Durham.
Ely, Isle of	100,000	(46) 87,830	(45) 85,174	(47) 83,374	(44) 82,509	(45) 81,698	(42) 80,915	(42) 79,262	(45) 74,974	(41) 70,787	(37) 64,033	(25) 52,197	(19) 30,912	(5) 9,571	(38) 286	Ely, Isle of.
Essex	100,000	(29) 90,050	(31) 88,116	(30) 86,463	(28) 85,242	(28) 84,604	(28) 83,417	(28) 81,857	(26) 78,637	(29) 73,615	(29) 65,752	(33) 51,391	(26) 29,747	(19) 7,895	(12) 477	Essex.
Gloucestershire..	100,000	(19) 90,640	(21) 88,944	(20) 87,524	(20) 86,502	(21) 85,720	(22) 84,764	(23) 83,213	(22) 79,532	(21) 74,683	(26) 66,200	(28) 51,719	(39) 27,610	(34) 6,538	(43) 268	Gloucestershire.
Herefordshire	100,000	(10) 91,230	(16) 89,370	(10) 88,175	(10) 87,157	(10) 86,641	(10) 85,760	(10) 84,034	(12) 80,873	(13) 75,693	(18) 67,678	(20) 53,213	(38) 27,734	(38) 6,330	(34) 324	Herefordshire.
Hertfordshire	100,000	(8) 91,350	(7) 89,859	(7) 88,687	(7) 87,647	(6) 87,051	(7) 85,961	(7) 84,826	(4) 81,783	(6) 76,671	(9) 68,862	(8) 55,257	(20) 30,860	(29) 7,079	(26) 354	Hertfordshire.
Huntingdonshire	100,000	(7) 91,470	(13) 89,398	(16) 87,846	(12) 86,914	(13) 86,332	(11) 85,445	(17) 83,704	(11) 80,943	(3) 77,339	(2) 70,288	(1) 57,720	(3) 34,280	(17) 8,060	(28) 350	Huntingdonshire.
Kent	100,000	(31) 89,630	(32) 87,572	(34) 85,734	(33) 84,499	(34) 83,793	(33) 82,810	(32) 81,373	(31) 77,875	(33) 72,722	(35) 64,521	(37) 50,730	(30) 29,329	(21) 7,655	(16) 408	Kent.
Lancashire	100,000	(58) 86,400	(59) 83,227	(59) 80,604	(60) 79,148	(61) 78,258	(61) 76,916	(61) 75,310	(60) 71,685	(59) 66,151	(61) 56,322	(61) 39,288	(62) 17,564	(62) 2,829	(60) 104	Lancashire.
Leicestershire	100,000	(34) 89,290	(35) 87,293	(35) 85,643	(34) 84,369	(35) 83,664	(35) 82,453	(35) 81,159	(33) 77,763	(30) 73,203	(31) 65,143	(31) 51,615	(31) 29,125	(36) 6,453	(41) 275	Leicestershire.
Lincolnshire: Holland ..	100,000	(44) 88,010	(42) 85,994	(39) 84,762	(39) 83,231	(38) 82,576	(38) 81,724	(36) 80,511	(38) 76,681	(37) 72,065	(33) 64,553	(26) 52,126	(23) 30,350	(18) 8,013	(11) 484	Lincolnshire: Holland.
,, Kesteven ..	100,000	(23) 90,380	(19) 89,028	(21) 87,505	(19) 86,556	(23) 85,561	(23) 84,302	(21) 83,383	(16) 80,151	(19) 74,839	(11) 68,611	(11) 54,794	(13) 32,040	(16) 8,077	(7) 538	,, Kesteven.

TABLE III.—l_x : *Survivors at several Ages per* 100,000 *born, according to the Mortality experience of the years* 1911–12. *Males—contd.*

Area.	Survivors at Age :—															Area.
	0	1	2	5	10	15	20	25	35	45	55	65	75	85	95	
Administrative Counties—cont.																*Administrative Counties—cont.*
LINCOLNSHIRE: LINDSEY ..	100,000	(37) 89,140	(34) 87,432	(32) 85,962	(31) 84,793	(31) 84,071	(30) 82,986	(30) 81,473	(30) 78,057	(23) 74,582	(16) 67,720	(15) 54,470	(5) 33,638	(6) 9,397	(15) 448	LINCOLNSHIRE: LINDSEY.
LONDON	100,000	(45) 87,960	(55) 84,321	(56) 81,776	(56) 80,338	(56) 79,498	(54) 78,422	(55) 77,006	(57) 73,071	(60) 66,025	(62) 54,808	(62) 38,345	(61) 18,728	(59) 3,752	(50) 183	LONDON.
MIDDLESEX	100,000	(36) 89,210	(36) 86,943	(36) 85,242	(37) 83,994	(36) 83,427	(34) 82,509	(33) 81,290	(28) 78,280	(28) 73,636	(30) 65,258	(39) 49,858	(37) 27,775	(25) 7,351	(23) 378	MIDDLESEX.
MONMOUTHSHIRE	100,000	(59) 86,230	(60) 82,757	(60) 80,538	(59) 79,333	(58) 78,627	(58) 77,570	(58) 76,252	(55) 73,230	(54) 68,026	(54) 59,256	(55) 43,975	(53) 22,089	(47) 5,140	(24) 368	MONMOUTHSHIRE.
NORFOLK	100,000	(26) 90,120	(25) 88,692	(22) 87,471	(18) 86,572	(18) 85,899	(20) 84,983	(20) 83,435	(20) 79,768	(15) 75,560	(8) 68,936	(6) 56,073	(4) 34,105	(8) 9,117	(32) 329	NORFOLK.
NORTHAMPTONSHIRE	100,000	(30) 90,030	(29) 88,230	(29) 86,536	(29) 85,075	(30) 84,243	(29) 83,185	(29) 81,570	(29) 78,259	(26) 73,995	(23) 66,595	(24) 52,569	(22) 30,475	(22) 7,504	(46) 201	NORTHAMPTONSHIRE.
NORTHUMBERLAND	100,000	(48) 87,660	(51) 84,856	(49) 82,891	(49) 81,639	(50) 80,725	(52) 79,228	(51) 77,842	(51) 74,095	(46) 69,663	(44) 61,718	(44) 46,959	(45) 24,583	(52) 4,548	(48) 191	NORTHUMBERLAND.
NOTTINGHAMSHIRE	100,000	(49) 87,580	(48) 85,112	(51) 82,769	(50) 81,632	(47) 81,025	(47) 80,031	(45) 78,714	(40) 75,837	(38) 71,543	(36) 64,269	(32) 51,523	(33) 28,624	(33) 6,703	(39) 284	NOTTINGHAMSHIRE.
OXFORDSHIRE	100,000	(13) 91,190	(10) 89,690	(12) 88,123	(11) 87,056	(14) 86,303	(12) 85,387	(12) 83,955	(8) 81,089	(8) 76,419	(10) 68,713	(7) 55,657	(9) 32,815	(20) 7,708	(13) 473	OXFORDSHIRE.
PETERBOROUGH, SOKE OF ...	100,000	(39) 88,590	(43) 85,861	(44) 83,566	(46) 81,873	(46) 81,496	(46) 80,047	(43) 79,260	(37) 76,716	(39) 71,411	(40) 63,522	(34) 51,351	(29) 29,510	(23) 7,473	(57) 119	PETERBOROUGH, SOKE OF.
RUTLANDSHIRE	100,000	(1) 92,710	(1) 91,547	(1) 90,646	(1) 89,401	(2) 88,374	(1) 87,869	(1) 86,718	(1) 82,543	(1) 79,327	(1) 71,751	(2) 56,656	(7) 32,938	(9) 8,846	(1) 1,375	RUTLANDSHIRE.
SHROPSHIRE	100,000	(25) 90,250	(27) 88,483	(24) 87,004	(24) 85,893	(24) 85,238	(24) 84,296	(24) 83.034	(21) 79,552	(22) 74,671	(27) 66,100	(36) 50,818	(36) 27,908	(35) 6,493	(17) 394	SHROPSHIRE..
SOMERSETSHIRE	100,000	(12) 91,210	(9) 89,754	(8) 88,623	(5) 87,757	(5) 87,071	(9) 85,892	(8) 84,428	(10) 80,969	(12) 75,900	(17) 67,716	(29) 51,693	(32) 28,712	(31) 6,953	(35) 322	SOMERSETSHIRE.
SOUTHAMPTON	100,000	(18) 90,910	(17) 89,185	(17) 87,688	(21) 86,491	(20) 85,751	(21) 84,879	(18) 83,541	(18) 79,846	(24) 74,348	(25) 66,230	(21) 52,958	(17) 31,105	(10) 8,736	(26) 354	SOUTHAMPTON.

Staffordshire	100,000	(56) 86,750	(56) 83,645	(57) 81,213	(57) 79,842	(57) 79,206	(57) 78,095	(57) 76,725	(56) 73,192	(55) 67,864	(55) 58,930	(53) 44,444	(50) 22,841	(54) 4,459	(45) 231	Staffordshire.
Suffolk, East	100,000	(20) 90,610	(20) 88,991	(18) 87,625	(15) 86,752	(15) 86,264	(16) 85,172	(16) 83,729	(17) 79,945	(16) 75,558	(12) 68,523	(4) 56,328	(2) 35,129	(7) 9,374	(10) 507	Suffolk East.
„ West	100,000	(9) 91,270	(8) 89,822	(9) 88,530	(6) 87,703	(8) 86,991	(6) 86,025	(9) 84,107	(13) 80,410	(17) 74,943	(22) 66,787	(22) 52,709	(21) 30,804	(4) 9,842	(25) 361	„ West.
Surrey	100,000	(14) 91,140	(12) 89,431	(14) 87,916	(17) 86,696	(16) 86,230	(15) 85,201	(11) 83,985	(7) 81,305	(7) 76,646	(7) 68,981	(10) 55,078	(6) 33,359	(2) 9,978	(4) 633	Surrey.
Sussex, East	100,000	(3) 92,510	(2) 91,159	(2) 89,894	(2) 88,907	(1) 88,390	(2) 86,935	(3) 85,639	(2) 82,468	(2) 77,719	(3) 69,682	(3) 56,528	(11) 32,645	(11) 8,474	(22) 380	Sussex East.
„ West	100,000	(10) 91,230	(11) 89,623	(11) 88,150	(13) 86,910	(11) 86,502	(13) 85,322	(13) 83,845	(14) 80,394	(14) 75,609	(24) 66,427	(17) 54,115	(14) 31,809	(3) 9,937	(6) 550	„ West.
Warwickshire	100,000	(41) 88,520	(40) 86,250	(43) 84,202	(43) 83,037	(40) 82,412	(39) 81,538	(39) 80,049	(36) 77,069	(36) 72,177	(38) 64,018	(38) 50,508	(34) 28,230	(40) 6,274	(20) 389	Warwickshire.
Westmorland	100,000	(16) 90,960	(15) 89,380	(19) 87,584	(23) 86,196	(22) 85,631	(18) 85,141	(22) 83,287	(19) 79,795	(20) 74,799	(15) 67,973	(18) 53,500	(35) 28,138	(26) 7,343	(55) 140	Westmorland.
Wight, Isle of	100,000	(2) 92,680	(3) 90,479	(4) 88,842	(4) 87,842	(3) 87,520	(3) 86,690	(2) 85,728	(3) 82,141	(10) 76,099	(19) 67,559	(23) 52,687	(18) 30,919	(15) 8,193	(9) 511	Wight, Isle of.
Wiltshire	100,000	(6) 91,600	(6) 90,167	(3) 88,873	(8) 87,618	(7) 87,044	(5) 86,078	(5) 84,921	(6) 81,352	(5) 76,943	(6) 69,219	(14) 54,509	(15) 31,521	(30) 7,065	(21) 383	Wiltshire.
Worcestershire	100,000	(38) 89,080	(38) 86,435	(41) 84,464	(41) 83,188	(39) 82,537	(40) 81,512	(38) 80,136	(35) 77,076	(35) 72,451	(39) 63,546	(40) 48,597	(41) 26,239	(42) 5,896	(47) 192	Worcestershire.
Yorkshire, East Riding ..	100,000	(28) 90,060	(28) 88,355	(25) 86,989	(25) 85,814	(25) 85,185	(25) 84,056	(25) 82,683	(24) 78,727	(25) 74,331	(20) 67,218	(19) 53,348	(16) 31,348	(24) 7,398	(49) 188	Yorkshire, East Riding.
„ North „ ..	100,000	(42) 88,300	(49) 84,900	(54) 82,278	(54) 80,642	(54) 79,865	(55) 78,384	(56) 76,990	(54) 73,269	(53) 68,076	(51) 60,070	(45) 46,940	(43) 25,217	(46) 5,255	(42) 270	„ North „
„ West „ ..	100,000	(54) 86,830	(58) 83,378	(58) 80,885	(58) 79,432	(59) 78,609	(59) 77,227	(59) 75,764	(59) 72,478	(57) 67,481	(58) 58,616	(60) 42,467	(60) 19,966	(61) 3,291	(61) 103	„ West „
Anglesey	100,000	(55) 86,760	(52) 84,750	(45) 83,529	(45) 82,436	(44) 81,747	(43) 80,880	(41) 79,309	(43) 75,318	(43) 70,089	(43) 62,057	(43) 47,037	(42) 25,425	(44) 5,655	(8) 524	Anglesey.
Brecknockshire	100,000	(60) 86,070	(57) 83,620	(55) 81,844	(55) 80,424	(55) 79,622	(56) 78,170	(54) 77,284	(50) 74,236	(50) 68,697	(53) 59,584	(50) 44,866	(49) 24,137	(39) 6,318	(2) 913	Brecknockshire.
Cardiganshire	100,000	(53) 87,060	(44) 85,748	(38) 84,782	(40) 83,228	(42) 82,263	(41) 80,931	(46) 78,431	(61) 71,563	(62) 65,561	(59) 57,814	(51) 44,588	(51) 22,652	(45) 5,576	(33) 327	Cardiganshire.
Carmarthenshire	100,000	(51) 87,270	(47) 85,125	(46) 83,493	(47) 81,771	(49) 80,780	(51) 79,236	(52) 77,689	(52) 73,803	(49) 68,721	(47) 60,726	(46) 46,849	(46) 24,469	(50) 4,702	(44) 256	Carmarthenshire.

TABLE III.—l_x: *Survivors at several Ages per* 100,000 *born, according to the Mortality experience of the years* 1911–12. *Males—contd.*

Area.	Survivors at Age :—															Area.
	0	1	2	5	10	15	20	25	35	45	55	65	75	85	95	
Administrative Counties—cont.																*Administrative Counties—cont.*
CARNARVONSHIRE	100,000	(40) 88,580	(39) 86,404	(42) 84,427	(42) 83,085	(43) 81,915	(45) 80,258	(47) 78,422	(49) 74,240	(52) 68,302	(52) 59,938	(54) 44,300	(52) 22,475	(49) 4,840	(31) 345	CARNARVONSHIRE.
DENBIGHSHIRE	100,000	(57) 86,690	(54) 84,539	(50) 82,791	(51) 81,204	(51) 80,668	(49) 79,584	(50) 78,150	(44) 75,301	(42) 70,174	(42) 62,126	(42) 48,106	(48) 24,339	(53) 4,501	(54) 153	DENBIGHSHIRE.
FLINTSHIRE	100,000	(35) 89,230	(37) 86,838	(37) 84,846	(36) 83,998	(37) 83,115	(36) 82,103	(37) 80,182	(41) 75,782	(45) 69,784	(45) 61,526	(49) 45,249	(54) 22,057	(56) 4,004	(51) 169	FLINTSHIRE.
GLAMORGANSHIRE	100,000	(61) 85,670	(61) 82,625	(61) 80,373	(61) 79,069	(60) 78,285	(60) 77,148	(60) 75,686	(58) 72,716	(56) 67,604	(57) 58,723	(59) 42,877	(58) 21,002	(48) 4,880	(40) 282	GLAMORGANSHIRE.
MERIONETHSHIRE	100,000	(32) 89,500	(30) 88,175	(33) 85,895	(35) 84,248	(33) 83,877	(37) 82,019	(40) 79,495	(48) 74,488	(44) 70,004	(46) 61,132	(56) 43,541	(57) 21,044	(57) 3,911	(62) 64	MERIONETHSHIRE.
MONTGOMERYSHIRE	100,000	(24) 90,280	(18) 89,034	(13) 87,972	(16) 86,701	(12) 86,387	(14) 85,229	(15) 83,772	(23) 79,240	(18) 74,861	(21) 67,016	(12) 54,774	(8) 32,857	(43) 5,769	(17) 394	MONTGOMERYSHIRE.
PEMBROKESHIRE	100,000	(27) 90,080	(26) 88,525	(27) 86,796	(27) 85,460	(27) 84,800	(32) 82,856	(34) 81,214	(39) 75,840	(51) 68,556	(50) 60,155	(47) 46,761	(40) 26,993	(37) 6,448	(5) 631	PEMBROKESHIRE.
RADNORSHIRE	100,000	(21) 90,570	(22) 88,800	(23) 87,365	(22) 86,331	(19) 85,761	(17) 85,162	(19) 83,526	(27) 78,636	(31) 73,101	(4) 69,302	(5) 56,117	(1) 36,568	(1) 10,961	(29) 349	RADNORSHIRE.
Administrative Counties with Urban and Rural Aggregates containing more than 200,000 *population in each.*																*Administrative Counties with Urban and Rural Aggregates containing more than* 200,000 *population in each.*
DERBYSHIRE :																DERBYSHIRE :
Urban Districts	100,000	86,670	83,910	81,761	80,400	79,716	78,442	77,403	74,956	70,444	62,720	47,570	23,424	4,076	127	Urban Districts.
Rural Districts	100,000	87,630	85,234	83,201	81,820	81,032	80,086	79,045	75,965	71,635	64,286	49,038	26,061	5,242	149	Rural Districts.
DEVONSHIRE :																DEVONSHIRE :
Urban Districts	100,000	90,450	88,179	85,952	84,497	83,795	82,315	80,666	75,865	69,748	60,883	46,802	25,993	7,547	469	Urban Districts.
Rural Districts	100,000	90,560	89,311	87,887	86,721	85,954	85,105	83,555	79,684	75,682	68,022	54,933	33,593	9,211	487	Rural Districts.
DURHAM :																DURHAM :
Urban Districts	100,000	86,080	82,074	79,114	77,593	76,739	75,347	73,857	70,184	64,967	55,648	40,438	18,183	3,112	105	Urban Districts.
Rural Districts	100,000	84,620	81,231	78,913	77,507	76,753	75,318	73,937	70,950	66,645	59,179	46,457	24.686	5,137	112	Rural Districts.

ESSEX :																ESSEX :
Urban Districts	100,000	89,690	87,592	85,827	84,494	83,845	82,555	81,042	77,877	72,889	64,643	49,572	27,935	7,444	565	Urban Districts.
Rural Districts	100,000	91,250	89,871	88,624	87,775	87,170	86,177	84,425	81,031	75,903	69,067	56,318	34,092	8,998	412	Rural Districts.
KENT :																KENT :
Urban Districts	100,000	89,440	87,283	85,315	83,970	83,248	82,218	80,808	77,241	71,996	63,239	48,183	26,328	6,106	218	Urban Districts.
Rural Districts	100,000	90,090	88,256	86,707	85,714	85,039	84,154	82,654	79,347	74,433	67,359	55,944	35,251	10,794	916	Rural Districts.
LANCASHIRE :																LANCASHIRE :
Urban Districts	100,000	86,010	82,653	79,988	78,518	77,632	76,240	74,580	70,952	65,350	55,172	37,840	16,253	2,399	89	Urban Districts.
Rural Districts	100,000	89,010	87,005	84,665	83,307	82,382	81,463	80,217	76,639	71,516	64,002	48,826	25,905	5,853	207	Rural Districts.
SOUTHAMPTON :																SOUTHAMPTON :
Urban Districts	100,000	89,920	88,010	86,028	84,600	83,893	82,901	81,488	77,814	71,655	62,600	49,385	28,353	7,767	399	Urban Districts.
Rural Districts	100,000	91,910	90,368	89,333	88,340	87,567	86,831	85,613	81,916	77,033	69,634	56,206	33,482	9,540	344	Rural Districts.
STAFFORDSHIRE :																STAFFORDSHIRE :
Urban Districts	100,000	86,020	82,509	79,814	78,344	77,727	76,606	75,326	71,793	66,124	56,939	41,769	20,281	3,531	187	Urban Districts.
Rural Districts	100,000	88,800	86,771	85,069	83,951	83,269	82,174	80,637	77,086	72,543	64,164	51,157	29,149	6,741	341	Rural Districts.
SURREY :																SURREY :
Urban Districts	100,000	90,650	88,897	87,515	86,406	85,894	84,894	83,703	81,016	76,210	68,434	53,891	31,584	9,410	778	Urban Districts.
Rural Districts	100,000	92,110	90,494	88,709	87,274	86,890	85,802	84,496	81,840	77,507	70,062	57,405	36,837	11,095	400	Rural Districts.
YORKSHIRE, WEST RIDING :																YORKSHIRE, WEST RIDING :
Urban Districts	100,000	86,590	83,021	80,402	78,861	78,016	76,617	75,203	71,978	67,091	57,663	40,971	18,310	2,836	84	Urban Districts.
Rural Districts	100,000	87,530	84,392	82,244	81,048	80,280	78,969	77,356	73,883	68,533	61,559	47,492	25,759	4,887	167	Rural Districts.
GLAMORGANSHIRE :																GLAMORGANSHIRE :
Urban Districts	100,000	84,990	81,649	79,253	77,945	77,126	75,946	74,559	71,554	66,537	57,451	41,619	19,524	4,138	172	Urban Districts.
Rural Districts	100,000	87,630	85,446	83,589	82,295	81,607	80,513	78,820	75,939	70,550	62,291	46,341	24,682	6,496	531	Rural Districts.
County Boroughs with populations exceeding 100,000.																*County Boroughs with populations exceeding* 100,000.
BIRKENHEAD	100,000	(8) 87,610	(14) 83,428	(16) 80,529	(18) 78,709	(17) 77,847	(17) 76,686	(16) 75,178	(17) 70,682	(17) 63,932	(25) 52,126	(26) 35,016	(18) 16,305	(18) 2,573	(11) 185	BIRKENHEAD.
BIRMINGHAM	100,000	(27) 84,880	(28) 80,802	(27) 77,723	(27) 76,255	(27) 75,659	(26) 74,738	(26) 73,412	(24) 69,668	(23) 63,387	(19) 53,456	(16) 37,214	(15) 17,826	(15) 3,129	(15) 130	BIRMINGHAM.
BLACKBURN	100,000	(34) 83,350	(33) 79,630	(29) 77,318	(29) 75,817	(28) 75,124	(28) 73,574	(28) 72,312	(27) 68,845	(26) 62,626	(21) 52,719	(21) 36,181	(25) 15,248	(17) 2,611	(27) 56	BLACKBURN.
BOLTON	100,000	(20) 86,090	(17) 82,861	(17) 80,335	(17) 78,749	(18) 77,667	(18) 76,253	(18) 74,612	(16) 70,908	(15) 64,600	(24) 52,180	(29) 34,279	(31) 12,296	(32) 1,854	(6) 235	BOLTON.
BRADFORD	100,000	(12) 86,940	(9) 84,058	(9) 81,861	(10) 80,226	(11) 79,296	(9) 78,168	(9) 76,778	(11) 72,743	(11) 66,158	(12) 54,957	(17) 37,168	(21) 15,856	(24) 2,291	(21) 83	BRADFORD.
BRIGHTON	100,000	(1) 90,770	(1) 88,350	(1) 86,723	(1) 85,400	(1) 84,836	(1) 83,977	(1) 82,731	(1) 78,351	(2) 71,121	(3) 61,493	(3) 45,220	(3) 23,822	(2) 5,491	(2) 345	BRIGHTON.

TABLE III.—l_x: *Survivors at several Ages per* 100,000 *born, according to the Mortality experience of the years* 1911–12. *Males—contd.*

Area.	Survivors at Age :—															Area.
	0	1	2	5	10	15	20	25	35	45	55	65	75	85	95	
County Boroughs with populations exceeding 100,000—*cont.*																*County Boroughs with populations exceeding* 100,000—*con.*
BRISTOL	100,000	(19) 86,180	(15) 83,376	(15) 80,786	(14) 79,358	(14) 78,637	(13) 77,583	(13) 75,838	(13) 72,007	(12) 66,128	(9) 56,865	(7) 41,650	(8) 19,980	(11) 3,738	(18) 102	BRISTOL.
BURNLEY	100,000	(37) 80,190	(36) 76,163	(36) 73,620	(36) 72,325	(36) 71,218	(36) 70,383	(35) 69,086	(33) 66,077	(29) 61,438	(27) 51,708	(25) 35,041	(30) 12,467	(35) 1,519	(25) 69	BURNLEY.
COVENTRY	100,000	(3) 89,640	(4) 86,287	(7) 83,055	(7) 80,809	(6) 80,177	(7) 78,950	(6) 78,132	(4) 75,336	(3) 70,583	(4) 60,740	(6) 42,785	(6) 21,763	(8) 4,251	(9) 190	COVENTRY.
CROYDON	100,000	(2) 89,800	(2) 87,852	(2) 85,834	(2) 84,497	(2) 83,873	(2) 82,807	(2) 81,204	(2) 77,947	(1) 72,834	(1) 64,360	(1) 49,506	(1) 27,594	(1) 8,024	(1) 730	CROYDON.
DERBY	100,000	(5) 88,380	(8) 85,210	(5) 83,327	(5) 82,139	(5) 81,561	(5) 80,076	(5) 78,538	(3) 75,463	(4) 70,556	(2) 62,264	(2) 46,113	(4) 22,709	(3) 5,348	(34) 41	DERBY.
GATESHEAD	100,000	(14) 86,770	(22) 81,671	(23) 78,462	(26) 76,810	(26) 75,815	(27) 74,359	(27) 72,722	(28) 68,295	(28) 61,791	(26) 52,115	(23) 35,819	(23) 15,375	(26) 2,054	(12) 180	GATESHEAD.
HALIFAX	100,000	(4) 88,810	(3) 87,052	(3) 84,288	(4) 82,467	(4) 82,036	(4) 80,511	(4) 78,834	(5) 74,898	(5) 69,482	(7) 57,619	(19) 36,899	(17) 16,439	(27) 1,992	(31) 44	HALIFAX.
HUDDERSFIELD	100,000	(7) 87,640	(5) 85,574	(6) 83,144	(6) 81,597	(7) 80,173	(8) 78,739	(8) 77,365	(7) 74,054	(8) 67,542	(8) 57,559	(14) 38,160	(20) 15,872	(25) 2,098	(3) 295	HUDDERSFIELD.
KINGSTON UPON HULL	100,000	(23) 85,890	(18) 82,672	(18) 80,221	(16) 78,905	(16) 78,160	(15) 77,071	(15) 75,217	(15) 71,039	(14) 64,746	(17) 53,571	(18) 37,088	(16) 17,207	(20) 2,453	(13) 172	KINGSTON UPON HULL.
LEEDS	100,000	(24) 85,850	(21) 82,030	(21) 79,163	(22) 77,367	(22) 76,550	(24) 75,175	(23) 73,643	(25) 69,431	(25) 62,901	(20) 52,962	(20) 36,585	(24) 15,294	(23) 2,292	(33) 43	LEEDS.
LEICESTER	100,000	(16) 86,630	(11) 83,924	(10) 81,468	(9) 80,268	(9) 79,546	(10) 78,093	(11) 76,651	(10) 72,756	(7) 67,809	(6) 58,753	(5) 43,279	(5) 22,385	(6) 4,910	(10) 189	LEICESTER.
LIVERPOOL	100,000	(28) 84,850	(34) 78,861	(34) 74,778	(35) 72,846	(35) 72,016	(35) 70,552	(36) 68,829	(36) 63,647	(36) 55,529	(36) 43,283	(37) 26,621	(37) 10,781	(31) 1,858	(24) 70	LIVERPOOL.
MANCHESTER	100,000	(30) 84,550	(31) 80,167	(32) 76,693	(31) 75,114	(32) 74,134	(33) 72,676	(31) 71,084	(32) 66,620	(33) 59,132	(33) 47,322	(33) 30,337	(32) 12,285	(30) 1,882	(22) 80	MANCHESTER.
MIDDLESBROUGH	100,000	(35) 82,920	(37) 75,450	(37) 70,780	(37) 68,823	(37) 67,597	(37) 65,952	(37) 64,428	(37) 60,531	(37) 53,368	(37) 42,541	(36) 28,285	(33) 12,081	(29) 1,884	(8) 225	MIDDLESBROUGH.

Newcastle upon Tyne.. ..	100,000	(13) 86,820	(19) 82,546	(19) 79,924	(19) 78,234	(19) 77,258	(19) 75,986	(19) 74,010	(23) 69,856	(21) 63,487	(22) 52,300	(22) 35,954	(19) 15,884	(21) 2,439	(35) 38	Newcastle upon Tyne.
Norwich	100,000	(18) 86,430	(13) 83,728	(12) 81,225	(12) 79,694	(12) 78,985	(12) 77,846	(12) 76,362	(9) 72,875	(6) 68,643	(5) 60,570	(4) 45,134	(2) 25,474	(4) 5,207	(4) 292	Norwich.
Nottingham	100,000	(26) 85,030	(26) 81,161	(25) 78,415	(23) 77,076	(23) 76,447	(22) 75,259	(21) 73,918	(21) 70,091	(20) 63,617	(15) 53,796	(10) 38,821	(10) 19,267	(12) 3,304	(19) 101	Nottingham.
Oldham	100,000	(32) 84,200	(30) 80,348	(30) 77,226	(30) 75,658	(30) 74,733	(30) 73,407	(29) 72,067	(29) 68,203	(30) 61,313	(32) 48,935	(32) 30,861	(35) 11,113	(36) 1,413	(26) 67	Oldham.
Plymouth	100,000	(15) 86,690	(16) 83,303	(13) 80,851	(13) 79,388	(13) 78,767	(14) 77,166	(14) 75,617	(14) 71,292	(24) 63,031	(18) 53,494	(13) 38,235	(9) 19,504	(10) 3,833	(7) 232	Plymouth.
Portsmouth	100,000	(6) 88,210	(6) 85,353	(8) 82,845	(8) 80,679	(8) 79,875	(6) 78,969	(7) 78,012	(6) 74,718	(9) 67,287	(10) 56,791	(8) 41,200	(7) 20,276	(5) 5,127	(17) 109	Portsmouth.
Preston	100,000	(33) 84,060	(29) 80,366	(31) 76,820	(33) 74,735	(31) 74,143	(32) 72,722	(32) 71,041	(30) 67,143	(31) 60,428	(31) 49,304	(31) 31,628	(29) 12,587	(33) 1,678	(29) 46	Preston.
Salford	100,000	(31) 84,490	(32) 80,026	(33) 76,649	(32) 74,996	(33) 74,076	(31) 72,723	(33) 70,768	(34) 65,990	(35) 58,223	(34) 46,962	(35) 29,272	(34) 11,444	(28) 1,980	(30) 45	Salford.
Sheffield	100,000	(22) 85,980	(23) 81,592	(26) 78,318	(25) 76,933	(25) 76,034	(25) 74,985	(24) 73,579	(19) 70,142	(19) 63,773	(23) 52,204	(24) 35,265	(26) 14,625	(22) 2,354	(23) 73	Sheffield.
Southampton	100,000	(9) 87,600	(7) 85,336	(4) 83,776	(3) 82,648	(3) 82,147	(3) 80,967	(3) 79,366	(8) 73,871	(10) 66,279	(11) 55,019	(9) 40,231	(11) 18,987	(7) 4,299	(20) 90	Southampton.
South Shields	100,000	(21) 86,080	(24) 81,583	(22) 79,098	(21) 77,726	(21) 77,065	(21) 75,510	(25) 73,497	(26) 68,867	(27) 61,878	(29) 49,812	(30) 33,017	(28) 12,984	(37) 1,407	(37) 23	South Shields.
Stockport	100,000	(29) 84,690	(25) 81,468	(24) 78,439	(24) 76,957	(24) 76,190	(23) 75,177	(22) 73,832	(22) 69,995	(22) 63,478	(28) 51,692	(27) 34,698	(27) 13,974	(19) 2,479	(14) 166	Stockport.
Stoke on Trent	100,000	(36) 81,860	(35) 77,724	(35) 74,770	(34) 73,102	(34) 72,402	(34) 71,082	(34) 69,623	(35) 65,439	(34) 59,129	(35) 46,841	(34) 29,782	(36) 10,948	(34) 1,630	(31) 44	Stoke on Trent.
Sunderland	100,000	(25) 85,490	(27) 80,939	(28) 77,621	(28) 76,096	(29) 74,891	(29) 73,509	(30) 71,617	(31) 66,857	(32) 60,011	(30) 49,376	(28) 34,635	(22) 15,682	(16) 2,651	(28) 48	Sunderland.
West Ham..	100,000	(17) 86,590	(20) 82,542	(20) 79,343	(20) 77,996	(20) 77,081	(20) 75,670	(20) 73,921	(20) 70,115	(18) 63,858	(16) 53,691	(11) 38,412	(14) 18,041	(13) 3,276	(35) 38	West Ham.
Cardiff	100,000	(11) 87,020	(10) 84,006	(11) 81,349	(11) 80,117	(10) 79,482	(11) 78,036	(10) 76,773	(12) 72,583	(13) 65,946	(14) 54,525	(15) 37,637	(13) 18,092	(14) 3,156	(16) 113	Cardiff.
Swansea	100,000	(10) 87,070	(12) 83,832	(14) 80,846	(15) 79,250	(15) 78,394	(16) 76,992	(17) 75,059	(18) 70,512	(16) 64,546	(13) 54,703	(12) 38,307	(12) 18,302	(9) 4,006	(5) 286	Swansea.
Rural Districts in Norfolk and Suffolk	100,000	90,690	89,375	88,194	87,320	86,684	85,688	84,068	80,398	76,251	69,905	57,552	36,460	10,276	421	Rural Districts in Norfolk and Suffolk.

TABLE IV.—l_x: *Survivors at several Ages per* 100,000 *born, according to the Mortality experience of the years* 1911–12. *Females.*

Area.	Survivors at Age :— 0	1	2	5	10	15	20	25	35	45	55	65	75	85	95	Area.
SUMMARY.																SUMMARY.
All Areas — North	100,000	88,640	85,009	82,133	80,531	79,594	78,376	76,974	73,584	68,390	59,953	45,182	23,507	5,020	274	North.
All Areas — Midlands	100,000	90,580	88,030	85,928	84,638	83,893	82,831	81,602	78,572	74,040	66,894	54,334	33,227	9,770	685	Midlands.
All Areas — South (including London)	100,000	91,130	88,607	86,567	85,256	84,481	83,515	82,429	79,568	74,871	67,183	54,703	34,174	10,432	730	South (incl. London)
All Areas — ,, (excluding London)	100,000	92,250	90,477	88,912	87,649	86,899	85,914	84,780	81,976	77,795	70,896	59,217	38,310	12,168	907	,, (exc. London)
All Areas — Wales	100,000	89,240	86,445	84,152	82,787	81,933	80,590	78,915	74,760	69,211	61,134	47,298	26,704	7,376	588	Wales.
All Areas — England and Wales	100,000	89,940	86,998	84,626	83,217	82,391	81,295	79,996	76,819	71,950	64,159	50,815	29,743	8,201	555	England and Wales.
London	100,000	89,950	86,570	83,979	82,605	81,797	80,845	79,813	76,881	71,565	62,861	49,255	29,022	8,222	508	London.
County Boroughs — North	100,000	88,140	83,982	80,736	79,055	78,065	76,786	75,392	71,971	66,381	57,377	42,243	21,094	4,266	232	North.
County Boroughs — Midlands	100,000	88,710	85,238	82,389	80,894	80,123	79,061	77,722	74,627	69,374	61,094	47,915	27,091	6,813	425	Midlands.
County Boroughs — South	100,000	91,080	88,827	86,857	85,273	84,460	83,457	82,278	79,485	74,969	67,706	55,946	35,419	10,882	794	South.
County Boroughs — Wales	100,000	88,590	85,274	82,343	80,675	79,831	78,512	76,956	72,919	67,101	58,335	43,968	24,152	7,660	630	Wales.
County Boroughs — England and Wales	100,000	88,610	84,880	81,890	80,278	79,379	78,230	76,848	73,567	68,191	59,623	45,505	24,573	5,877	366	England and Wales.
Other Urban Districts — North	100,000	88,780	85,434	82,733	81,139	80,230	79,044	77,632	74,332	69,463	61,350	46,630	24,403	5,041	272	North.
Other Urban Districts — Midlands	100,000	90,850	88,417	86,456	85,207	84,474	83,450	82,348	79,521	75,311	68,376	55,594	34,019	10,124	750	Midlands.
Other Urban Districts — South	100,000	92,060	90,149	88,431	87,166	86,437	85,516	84,513	81,841	77,763	70,666	58,881	38,068	12,156	921	South.
Other Urban Districts — Wales	100,000	88,530	85,375	82,886	81,610	80,796	79,627	78,097	74,183	68,590	60,260	45,651	25,276	6,620	703	Wales.
Other Urban Districts — England and Wales	100,000	90,040	87,283	85,043	83,667	82,865	81,791	80,571	77,509	72,979	65,486	52,082	30,561	8,384	601	England and Wales.
Rural Districts — North	100,000	90,160	87,669	85,680	84,330	83,518	82,440	81,100	77,629	73,196	66,273	52,949	30,954	8,123	454	North.
Rural Districts — Midlands	100,000	92,380	90,713	89,244	88,130	87,402	86,278	84,875	81,593	77,432	71,246	59,564	38,522	12,296	869	Midlands.
Rural Districts — South	100,000	93,230	91,905	90,765	89,696	88,960	87,903	86,610	83,637	79,569	73,183	61,705	40,454	13,045	966	South.
Rural Districts — Wales	100,000	90,850	88,994	87,409	86,085	85,159	83,622	81,642	77,028	71,680	64,260	51,377	29,827	8,237	536	Wales.
Rural Districts — England and Wales	100,000	91,870	90,067	88,544	87,365	86,596	85,462	84,010	80,624	76,309	69,810	57,761	36,486	11,198	775	England and Wales.
Administrative Counties.																*Administrative Counties.*
BEDFORDSHIRE	100,000	(38) 90,920	(37) 89,002	(37) 87,299	(37) 86,083	(36) 85,515	(35) 84,207	(34) 83,145	(31) 80,242	(29) 76,118	(30) 69,494	(26) 57,946	(31) 36,103	(27) 11,517	(19) 945	BEDFORDSHIRE.
BERKSHIRE	100,000	(3) 93,850	(4) 92,436	(5) 91,143	(6) 90,048	(7) 89,277	(7) 88,404	(6) 87,246	(8) 83,914	(7) 79,915	(6) 73,539	(5) 62,093	(8) 40,380	(20) 12,042	(13) 1,077	BERKSHIRE.
BUCKINGHAMSHIRE	100,000	(23) 92,280	(19) 90,761	(22) 89,251	(22) 88,070	(22) 87,454	(23) 86,210	(22) 84,755	(16) 82,231	(15) 78,846	(10) 72,857	(13) 60,374	(19) 38,132	(29) 11,330	(29) 838	BUCKINGHAMSHIRE.
CAMBRIDGESHIRE	100,000	(19) 92,600	(18) 90,907	(23) 89,149	(29) 87,389	(28) 86,599	(26) 85,786	(23) 84,733	(20) 81,914	(16) 78,565	(11) 72,748	(10) 60,813	(7) 40,691	(2) 15,305	(7) 1,221	CAMBRIDGESHIRE.

Cheshire	100,000	(49) 90,090	(49) 87,606	(50) 85,519	(50) 84,120	(50) 83,310	(48) 82,340	(46) 81,390	(44) 78,447	(43) 73,983	(44) 66,250	(45) 51,791	(49) 29,087	(57) 6,691	(50) 458	Cheshire.
Cornwall	100,000	(48) 90,110	(44) 88,168	(44) 86,438	(44) 85,132	(43) 84,416	(42) 83,289	(41) 81,772	(41) 78,807	(37) 74,711	(38) 67,679	(38) 56,330	(36) 35,399	(36) 10,591	(41) 644	Cornwall.
Cumberland	100,000	(54) 89,620	(53) 86,987	(54) 84,476	(54) 83,097	(53) 82,244	(53) 81,034	(54) 79,485	(52) 75,562	(51) 70,766	(52) 62,676	(55) 49,249	(57) 26,236	(56) 6,788	(52) 425	Cumberland.
Derbyshire	100,000	(52) 89,720	(51) 87,273	(51) 85,109	(51) 83,740	(51) 82,999	(50) 81,891	(48) 80,714	(46) 77,647	(45) 73,206	(45) 66,060	(42) 52,735	(44) 29,672	(55) 6,838	(54) 413	Derbyshire.
Devonshire	100,000	(20) 92,430	(23) 90,714	(23) 89,149	(25) 87,806	(26) 86,879	(27) 85,732	(27) 84,362	(28) 81,011	(28) 76,566	(28) 69,911	(29) 57,668	(28) 36,891	(23) 11,973	(30) 837	Devonshire.
Dorsetshire	100,000	(14) 93,140	(9) 92,152	(11) 90,860	(11) 89,594	(9) 89,095	(8) 88,050	(9) 86,624	(10) 83,708	(13) 79,163	(14) 72,406	(14) 60,306	(17) 38,335	(26) 11,596	(26) 844	Dorsetshire.
Durham	100,000	(62) 88,090	(62) 84,416	(62) 81,586	(62) 80,079	(62) 79,120	(62) 77,861	(62) 76,386	(62) 72,594	(62) 67,393	(62) 59,147	(62) 45,023	(62) 23,133	(60) 5,188	(62) 189	Durham.
Ely, Isle of	100,000	(39) 90,640	(39) 88,739	(38) 87,265	(38) 85,902	(37) 85,457	(38) 83,793	(40) 82,153	(39) 79,261	(41) 74,260	(31) 69,374	(27) 57,916	(26) 37,392	(15) 12,395	(3) 1,365	Ely, Isle of.
Essex	100,000	(23) 92,280	(28) 90,223	(29) 88,782	(27) 87,682	(25) 87,022	(25) 85,937	(20) 84,853	(19) 81,997	(21) 77,561	(23) 70,712	(24) 58,329	(24) 37,534	(24) 11,674	(25) 846	Essex.
Gloucestershire..	100,000	(16) 92,730	(15) 91,232	(15) 89,976	(14) 89,029	(15) 88,158	(15) 87,015	(15) 85,517	(15) 82,333	(17) 78,337	(17) 71,890	(16) 60,071	(20) 37,949	(22) 12,006	(35) 770	Gloucestershire.
Herefordshire	100,000	(6) 93,700	(6) 92,260	(9) 90,910	(10) 89,605	(12) 88,830	(12) 87,779	(11) 86,358	(14) 82,373	(18) 78,156	(21) 71,218	(31) 57,100	(33) 35,431	(35) 10,667	(15) 1,004	Herefordshire.
Hertfordshire	100,000	(10) 93,460	(12) 91,944	(12) 90,398	(12) 89,472	(11) 88,864	(9) 87,956	(8) 87,032	(5) 84,348	(4) 80,593	(3) 74,363	(4) 62,447	(5) 41,098	(5) 14,035	(6) 1,254	Hertfordshire.
Huntingdonshire	100,000	(22) 92,320	(26) 90,317	(25) 89,008	(23) 88,018	(16) 87,936	(16) 86,823	(24) 84,659	(18) 82,179	(14) 78,859	(9) 72,937	(6) 61,330	(3) 41,412	(10) 13,119	(32) 811	Huntingdonshire.
Kent	100,000	(27) 91,900	(33) 89,804	(33) 88,104	(32) 86,889	(31) 86,104	(29) 85,174	(29) 84,041	(24) 81,286	(25) 76,904	(29) 69,900	(22) 58,456	(16) 38,361	(13) 12,740	(9) 1,163	Kent.
Lancashire	100,000	(60) 88,630	(60) 85,571	(60) 83,043	(60) 81,443	(61) 80,559	(61) 79,255	(61) 77,862	(58) 74,672	(55) 69,738	(58) 61,434	(60) 46,274	(61) 23,924	(62) 4,794	(60) 261	Lancashire.
Leicestershire	100,000	(32) 91,660	(32) 89,860	(35) 87,884	(34) 86,569	(35) 85,621	(34) 84,272	(36) 82,746	(35) 79,610	(35) 75,535	(35) 68,851	(39) 56,303	(37) 34,707	(33) 10,936	(39) 701	Leicestershire.
Lincolnshire : Holland ..	100,000	(45) 90,340	(45) 88,101	(43) 86,513	(43) 85,356	(44) 84,392	(43) 83,171	(39) 82,203	(40) 78,969	(44) 73,804	(39) 67,191	(33) 56,909	(21) 37,709	(34) 10,712	(18) 963	Lincolnshire : Holland.
„ Kesteven ..	100,000	(18) 92,610	(21) 90,731	(19) 89,346	(19) 88,335	(21) 87,501	(22) 86,239	(19) 85,012	(23) 81,407	(20) 77,612	(19) 71,498	(11) 60,637	(12) 39,044	(19) 12,063	(20) 939	„ Kesteven.

TABLE IV.—l_x: *Survivors at several Ages per* 100,000 *born, according to the Mortality experience of the years* 1911–12. *Females—contd.*

Area.	Survivors at Age :—															Area.
	0	1	2	5	10	15	20	25	35	45	55	65	75	85	95	
Administrative Counties (continued).																*Administrative Counties—cont.*
LINCOLNSHIRE: LINDSEY ..	100,000	(47) 90,120	(40) 88,360	(42) 86,575	(42) 85,405	(40) 84,700	(39) 83,706	(38) 82,245	(42) 78,685	(42) 74,154	(37) 68,500	(37) 56,568	(27) 37,007	(25) 11,659	(27) 842	LINCOLNSHIRE: LINDSEY.
LONDON	100,000	(51) 89,950	(57) 86,570	(57) 83,979	(57) 82,605	(57) 81,797	(55) 80,845	(51) 79,813	(47) 76,881	(48) 71,565	(51) 62,861	(54) 49,255	(50) 29,022	(44) 8,222	(48) 508	LONDON
MIDDLESEX	100,000	(35) 91,460	(36) 89,298	(36) 87,441	(35) 86,337	(34) 85,658	(33) 84,800	(30) 83,871	(25) 81,268	(23) 77,371	(22) 70,789	(23) 58,404	(25) 37,430	(14) 12,575	(12) 1,078	MIDDLESEX.
MONMOUTHSHIRE	100,000	(61) 88,600	(61) 84,948	(61) 82,490	(61) 81,298	(60) 80,622	(60) 79,680	(60) 77,969	(61) 74,038	(60) 68,421	(61) 59,650	(61) 45,569	(59) 25,609	(49) 7,276	(11) 1,101	MONMOUTHSHIRE.
NORFOLK	100,000	(34) 91,540	(30) 89,972	(28) 88,836	(21) 88,093	(23) 87,438	(21) 86,378	(21) 84,811	(21) 81,637	(22) 77,465	(18) 71,633	(8) 60,990	(4) 41,344	(8) 13,611	(22) 892	NORFOLK.
NORTHAMPTONSHIRE	100,000	(25) 92,270	(20) 90,752	(18) 89,359	(24) 87,922	(27) 86,852	(28) 85,719	(28) 84,099	(27) 81,018	(26) 76,689	(24) 70,512	(19) 59,111	(13) 38,928	(17) 12,294	(31) 833	NORTHAMPTONSHIRE.
NORTHUMBERLAND	100,000	(56) 89,430	(56) 86,617	(55) 84,368	(52) 83,157	(52) 82,332	(52) 81,197	(53) 79,554	(48) 76,233	(47) 71,733	(48) 63,775	(51) 49,315	(54) 27,289	(54) 6,862	(59) 269	NORTHUMBERLAND.
NOTTINGHAMSHIRE	100,000	(40) 90,540	(46) 87,913	(48) 85,881	(48) 84,531	(47) 83,816	(46) 82,685	(45) 81,407	(43) 78,471	(38) 74,408	(41) 67,069	(40) 54,465	(43) 30,492	(41) 9,378	(51) 442	NOTTINGHAMSHIRE.
OXFORDSHIRE	100,000	(9) 93,500	(10) 92,144	(13) 90,344	(13) 89,292	(13) 88,576	(13) 87,615	(13) 86,209	(12) 83,416	(11) 79,326	(15) 72,130	(15) 60,192	(15) 38,555	(7) 13,824	(23) 878	OXFORDSHIRE.
PETERBOROUGH, SOKE OF ..	100,000	(44) 90,470	(43) 88,182	(46) 86,164	(47) 84,645	(46) 83,909	(47) 82,669	(42) 81,732	(38) 79,330	(33) 75,768	(33) 68,860	(28) 57,726	(35) 35,400	(37) 10,550	(10) 1,111	PETERBOROUGH, SOKE OF.
RUTLANDSHIRE	100,000	(2) 94,020	(13) 91,787	(3) 91,255	(5) 90,052	(6) 89,325	(2) 88,814	(3) 87,711	(6) 84,134	(9) 79,574	(7) 73,538	(20) 59,106	(23) 37,585	(6) 13,878	(16) 997	RUTLANDSHIRE.
SHROPSHIRE	100,000	(13) 93,180	(16) 91,122	(17) 89,472	(20) 88,272	(20) 87,646	(19) 86,643	(17) 85,252	(22) 81,571	(27) 76,653	(25) 70,302	(32) 57,049	(38) 34,463	(39) 9,604	(27) 842	SHROPSHIRE.
SOMERSETSHIRE	100,000	(11) 93,390	(8) 92,167	(7) 90,952	(9) 89,668	(10) 88,927	(10) 87,818	(10) 86,515	(11) 83,537	(8) 79,587	(16) 71,943	(18) 59,369	(22) 37,696	(28) 11,457	(34) 805	SOMERSETSHIRE.
SOUTHAMPTON	100,000	(15) 92,840	(14) 91,279	(14) 90,005	(15) 88,979	(14) 88,300	(14) 87,428	(12) 86,312	(13) 83,291	(12) 79,250	(12) 72,684	(9) 60,938	(10) 39,545	(16) 12,327	(32) 811	SOUTHAMPTON.

Staffordshire	100,000	(55) 89,610	(55) 86,646	(56) 84,227	(56) 82,766	(56) 81,916	(56) 80,650	(56) 79,323	(49) 75,997	(49) 71,196	(47) 63,781	(49) 50,159	(52) 28,297	(59) 6,388	(53) 416	Staffordshire.
Suffolk, East	100,000	(28) 91,870	(29) 90,172	(26) 88,929	(26) 87,790	(24) 87,047	(24) 86,132	(25) 84,594	(29) 80,933	(24) 77,175	(20) 71,461	(21) 58,671	(14) 38,802	(18) 12,218	(43) 636	Suffolk, East.
,, West	100,000	(21) 92,410	(22) 90,719	(20) 89,301	(18) 88,416	(18) 87,798	(17) 86,785	(18) 85,238	(26) 81,092	(30) 76,117	(34) 68,855	(25) 58,085	(29) 36,620	(12) 12,842	(40) 698	,, West.
Surrey	100,000	(17) 92,700	(17) 91,056	(16) 89,599	(17) 88,426	(19) 87,756	(18) 86,739	(14) 86,001	(9) 83,759	(5) 80,247	(5) 74,121	(2) 63,375	(1) 43,165	(1) 15,357	(5) 1,261	Surrey.
Sussex, East	100,000	(8) 93,540	(5) 92,324	(6) 91,064	(4) 90,098	(3) 89,459	(3) 88,693	(2) 87,743	(1) 85,250	(1) 81,708	(1) 74,999	(3) 62,835	(6) 41,064	(3) 14,587	(8) 1,177	Sussex, East.
,, West	100,000	(4) 93,820	(3) 92,456	(10) 90,861	(8) 89,795	(8) 89,189	(5) 88,469	(5) 87,358	(2) 85,004	(3) 81,244	(2) 74,580	(1) 64,680	(2) 42,831	(4) 14,082	(14) 1,076	,, West.
Warwickshire	100,000	(31) 91,800	(35) 89,441	(39) 87,223	(39) 85,861	(38) 85,135	(36) 84,190	(35) 83,079	(32) 80,067	(32) 75,976	(32) 68,958	(34) 56,888	(34) 35,425	(32) 10,985	(36) 756	Warwickshire.
Westmorland	100,000	(5) 93,820	(2) 92,798	(1) 91,753	(1) 90,470	(1) 89,966	(1) 89,205	(1) 88,494	(2) 85,004	(2) 81,366	(4) 74,271	(17) 59,455	(30) 36,135	(40) 9,493	(17) 986	Westmorland.
Wight, Isle of	100,000	(12) 93,350	(10) 92,144	(8) 90,951	(7) 89,969	(5) 89,336	(6) 88,436	(7) 87,204	(7) 83,957	(10) 79,423	(13) 72,482	(12) 60,406	(9) 40,290	(9) 13,283	(24) 871	Wight, Isle of
Wiltshire	100,000	(7) 93,560	(7) 92,179	(4) 91,162	(3) 90,187	(4) 89,402	(4) 88,471	(4) 87,477	(4) 84,584	(6) 80,172	(8) 73,366	(7) 61,069	(11) 39,508	(31) 11,098	(38) 711	Wiltshire.
Worcestershire	100,000	(36) 91,190	(41) 88,338	(41) 86,585	(41) 85,407	(42) 84,505	(41) 83,460	(37) 82,395	(34) 79,662	(34) 75,568	(36) 68,845	(36) 56,610	(32) 35,867	(30) 11,203	(21) 930	Worcestershire.
Yorkshire, East Riding ..	100,000	(37) 91,060	(34) 89,554	(32) 88,124	(33) 86,695	(32) 86,060	(30) 84,966	(31) 83,608	(30) 80,423	(31) 76,111	(27) 69,995	(35) 56,782	(18) 38,240	(11) 13,015	(4) 1,330	Yorkshire, East Riding.
,, North Riding ..	100,000	(42) 90,500	(52) 87,215	(52) 84,850	(55) 82,870	(55) 82,007	(54) 80,897	(55) 79,455	(50) 75,842	(50) 71,050	(46) 64,016	(46) 51,591	(42) 30,954	(43) 8,402	(44) 619	,, North Riding.
,, West Riding ..	100,000	(57) 89,420	(58) 86,136	(58) 83,520	(59) 81,973	(59) 81,055	(58) 79,941	(58) 78,511	(56) 75,166	(52) 70,547	(50) 63,141	(56) 48,779	(58) 25,991	(61) 5,137	(61) 220	,, West Riding.
Anglesey	100,000	(40) 90,540	(38) 88,929	(34) 87,992	(36) 86,193	(41) 84,537	(45) 82,714	(49) 80,364	(55) 75,279	(54) 69,748	(55) 62,138	(47) 51,136	(41) 31,911	(38) 10,137	(41) 644	Anglesey.
Brecknockshire	100,000	(50) 90,030	(50) 87,340	(49) 85,736	(49) 84,325	(49) 83,472	(51) 81,885	(52) 79,741	(51) 75,612	(56) 69,320	(53) 62,279	(52) 49,305	(45) 29,666	(42) 8,783	(2) 1,748	Brecknockshire.
Cardiganshire	100,000	(30) 91,820	(25) 90,628	(30) 88,340	(28) 87,494	(30) 86,258	(37) 84,008	(44) 81,570	(53) 75,499	(53) 69,764	(57) 61,590	(48) 50,758	(51) 28,301	(50) 7,163	(45) 600	Cardiganshire.
Carmarthenshire	100,000	(52) 89.720	(48) 87,872	(45) 86,263	(45) 84,843	(48) 83,595	(49) 82,219	(50) 80,276	(54) 75,467	(58) 69,019	(56) 61,875	(59) 46,407	(56) 26,701	(48) 7,387	(46) 553	Carmarthenshire.

TABLE IV.—l_x : *Survivors at several Ages per* 100,000 *born, according to the Mortality experience of the years* 1911–12. *Females—contd.*

Area.	Survivors at Age :— 0	1	2	5	10	15	20	25	35	45	55	65	75	85	95	Area.
Administrative Counties.—cont.																*Administrative Counties.—cont.*
CARNARVONSHIRE	100,000	(58) 89,190	(54) 86,803	(53) 84,836	(53) 83,154	(54) 82,024	(57) 80,295	(57) 78,551	(59) 74,438	(57) 69,105	(54) 62,251	(53) 49,288	(47) 29,416	(51) 7,116	(49) 483	CARNARVONSHIRE.
DENBIGHSHIRE	100,000	(46) 90,240	(47) 87,878	(47) 85,973	(46) 84,799	(45) 84,202	(44) 83,078	(43) 81,586	(45) 77,954	(46) 72,976	(49) 63,602	(50) 49,664	(55) 26,795	(58) 6,666	(57) 305	DENBIGHSHIRE.
FLINTSHIRE	100,000	(26) 91,910	(31) 89,910	(31) 88,337	(31) 87,073	(33) 86,047	(32) 84,806	(33) 83,291	(37) 79,527	(39) 74,311	(40) 67,139	(43) 52,403	(46) 29,521	(52) 7,041	(47) 532	FLINTSHIRE.
GLAMORGANSHIRE	100,000	(59) 88,650	(59) 85,755	(59) 83,301	(58) 82,035	(58) 81,233	(58) 79,941	(59) 78,377	(60) 74,326	(59) 68,966	(59) 60,874	(58) 46,470	(60) 25,504	(53) 6,873	(37) 722	GLAMORGANSHIRE.
MERIONETHSHIRE	100,000	(43) 90,490	(42) 88,259	(40) 87,056	(40) 85,623	(39) 85,075	(40) 83,634	(47) 81,361	(57) 74,846	(61) 68,202	(60) 60,861	(57) 48,258	(53) 28,202	(46) 7,853	(58) 304	MERIONETHSHIRE.
MONTGOMERYSHIRE	100,000	(29) 91,860	(24) 90,681	(21) 89,276	(16) 88,655	(17) 87,849	(20) 86,409	(26) 84,384	(33) 79,957	(36) 74,974	(43) 66,547	(41) 53,714	(40) 32,505	(47) 7,413	(55) 407	MONTGOMERYSHIRE.
PEMBROKESHIRE	100,000	(33) 91,650	(27) 90,303	(27) 88,871	(30) 87,150	(29) 86,264	(31) 84,808	(32) 83,585	(36) 79,545	(40) 74,297	(42) 66,969	(44) 52,320	(48) 29,146	(45) 7,971	(56) 350	PEMBROKESHIRE.
RADNORSHIRE	100,000	(1) 95,200	(1) 93,445	(2) 91,584	(2) 90,257	(2) 89,635	(11) 87,817	(16) 85,404	(17) 82,183	(19) 77,785	(26) 70,299	(30) 57,252	(39) 33,270	(21) 12,037	(1) 2,320	RADNORSHIRE.
Administrative Counties with Urban and Rural Aggregates containing more than 200,000 *population in each.*																*Administrative Counties with Urban and Rural Aggregates containing more than* 200,000 *population in each.*
DERBYSHIRE :																DERBYSHIRE :
Urban Districts	100,000	89,030	86,474	83,895	82,428	81,642	80,588	79,453	76,572	71,763	64,929	50,641	28,043	6,021	466	Urban Districts.
Rural Districts	100,000	90,460	88,130	86,389	85,124	84,433	83,265	82,034	78,744	74,728	67,234	54,998	31,991	7,874	391	Rural Districts.
DEVONSHIRE :																DEVONSHIRE :
Urban Districts	100,000	91,700	89,433	87,454	86,007	85,145	84,042	82,665	79,461	75,269	68,469	56,612	36,977	12,213	753	Urban Districts.
Rural Districts	100,000	93,130	91,904	90,734	89,491	88,498	87,304	85,961	82,447	77,715	71,276	58,633	36,606	11,630	949	Rural Districts.
DURHAM :																DURHAM :
Urban Districts	100,000	88,330	84,329	81,415	79,877	78,885	77,709	76,137	72,335	67,000	58,265	43,774	22,027	5,041	154	Urban Districts.
Rural Districts	100,000	87,790	84,522	81,797	80,328	79,405	78,069	76,672	72,888	67,862	60,309	46,738	24,709	5,397	247	Rural Districts.

ESSEX :															ESSEX :
Urban Districts	100,000	92,090	89,855	88,400	87,218	86,536	85,474	84,454	81,661	77,251	70,122	57,307	36,056	11,055	891	Urban Districts.
Rural Districts	100,000	92,920	91,484	90,090	89,261	88,676	87,505	86,139	83,057	78,540	72,522	61,185	41,266	13,158	808	Rural Districts.
KENT :															KENT :
Urban Districts	100,000	91,690	89,405	87,502	86,168	85,380	84,437	83,401	80,805	76,293	69,077	57,283	37,173	11,660	925	Urban Districts.
Rural Districts	100,000	92,410	90,730	89,496	88,546	87,762	86,874	85,379	82,217	78,179	71,702	61,092	41,099	15,321	1,879	Rural Districts.
LANCASHIRE :															LANCASHIRE :
Urban Districts	100,000	88,270	85,082	82,443	80,816	79,935	78,604	77,216	74,015	69,025	60,516	45,132	22,887	4,337	242	Urban Districts.
Rural Districts	100,000	91,160	89,003	87,205	85,806	84,900	83,775	82,352	79,223	74,707	67,722	53,966	30,986	8,053	390	Rural Districts.
SOUTHAMPTON :															SOUTHAMPTON :
Urban Districts	100,000	92,370	90,391	88,905	87,875	87,239	86,569	85,718	82,412	78,403	70,857	58,789	37,887	12,401	854	Urban Districts.
Rural Districts	100,000	93,310	92,136	91,058	90,033	89,320	88,263	86,822	84,085	80,021	74,273	62,738	40,922	12,311	787	Rural Districts.
STAFFORDSHIRE :															STAFFORDSHIRE :
Urban Districts	100,000	88,740	85,462	82,759	81,245	80,324	78,968	77,626	74,245	69,275	61,488	47,632	25,634	5,291	264	Urban Districts.
Rural Districts	100,000	92,040	89,934	88,282	86,948	86,293	85,209	83,972	80,798	76,388	69,819	56,581	34,803	9,117	842	Rural Districts.
SURREY :															SURREY :
Urban Districts	100,000	92,490	90,831	89,264	88,116	87,354	86,325	85,557	83,351	79,808	73,432	62,221	42,005	14,288	1,190	Urban Districts.
Rural Districts	100,000	93,120	91,503	90,267	89,052	88,560	87,565	86,901	84,585	81,136	75,495	65,797	45,672	17,888	1,417	Rural Districts.
YORKSHIRE, WEST RIDING :															YORKSHIRE, WEST RIDING :
Urban Districts	100,000	89,040	85,650	82,872	81,259	80,302	79,148	77,734	74,415	69,756	62,114	47,607	24,583	4,615	169	Urban Districts.
Rural Districts	100,000	90,460	87,475	85,320	83,975	83,186	82,243	80,768	77,350	72,918	66,458	52,778	31,175	7,113	434	Rural Districts.
GLAMORGANSHIRE :															GLAMORGANSHIRE :
Urban Districts	100,000	88,030	84,882	82,213	80,929	80,126	78,773	77,208	73,181	67,559	59,626	44,559	23,851	6,133	739	Urban Districts.
Rural Districts	100,000	90,440	88,301	86,448	85,236	84,444	83,309	81,739	77,634	72,946	64,387	51,330	29,534	8,588	730	Rural Districts.
County Boroughs with populations exceeding 100,000.															*County Boroughs with populations exceeding* 100,000.
BIRKENHEAD	100,000	*(16)* 89,050	*(19)* 84,870	*(18)* 81,935	*(22)* 80,049	*(23)* 78,922	*(21)* 77,903	*(20)* 76,905	*(16)* 73,983	*(18)* 68,209	*(22)* 59,329	*(19)* 45,439	*(15)* 24,946	*(11)* 6,791	*(7)* 692	BIRKENHEAD.
BIRMINGHAM	100,000	*(23)* 88,070	*(26)* 83,924	*(26)* 80,531	*(28)* 78,888	*(27)* 78,071	*(26)* 77,136	*(25)* 76,072	*(21)* 73,307	*(23)* 67,739	*(23)* 58,705	*(21)* 44,436	*(18)* 24,403	*(15)* 5,982	*(12)* 382	BIRMINGHAM.
BLACKBURN	100,000	*(35)* 85,690	*(33)* 82,418	*(31)* 79,761	*(31)* 78,209	*(29)* 77,571	*(29)* 76,270	*(28)* 74,920	*(29)* 71,194	*(26)* 66,196	*(25)* 58,199	*(26)* 42,305	*(28)* 20,068	*(26)* 4,024	*(33)* 136	BLACKBURN.
BOLTON	100,000	*(26)* 88,010	*(18)* 84,945	*(15)* 82,627	*(14)* 81,093	*(15)* 80,185	*(14)* 78,965	*(14)* 77,660	*(13)* 74,620	*(14)* 68,966	*(20)* 59,468	*(22)* 43,698	*(27)* 21,067	*(33)* 3,292	*(29)* 173	BOLTON.
BRADFORD	100,000	*(10)* 89,440	*(9)* 86,963	*(9)* 84,566	*(7)* 83,253	*(8)* 82,113	*(10)* 80,732	*(11)* 79,185	*(12)* 75,668	*(12)* 70,181	*(12)* 61,927	*(14)* 46,466	*(19)* 23,561	*(17)* 5,202	*(26)* 208	BRADFORD.
BRIGHTON	100,000	*(3)* 91,820	*(2)* 89,320	*(2)* 87,834	*(2)* 86,993	*(2)* 86,253	*(2)* 85,220	*(2)* 84,012	*(2)* 81,560	*(2)* 76,556	*(2)* 68,183	*(3)* 55,797	*(3)* 35,725	*(4)* 9,786	*(5)* 827	BRIGHTON.

TABLE IV.—l_x: *Survivors at several Ages per* 100,000 *born, according to the Mortality experience of the years* 1911–12. *Females—contd.*

Area.	Survivors at Age:—															Area.
	0	1	2	5	10	15	20	25	35	45	55	65	75	85	95	
County Boroughs with populations exceeding 100,000 (*continued*).																*County Boroughs with populations exceeding* 100,000 (*cont.*)
BRISTOL	100,000	(9) 89,620	(12) 86,312	(12) 83,659	(12) 82,348	(12) 81,559	(12) 80,447	(10) 79,258	(10) 76,102	(11) 70,796	(9) 63,488	(8) 50,666	(6) 30,360	(6) 8,041	(8) 528	BRISTOL.
BURNLEY	100,000	(37) 84,350	(37) 80,036	(36) 77,038	(36) 75,586	(35) 74,784	(35) 73,398	(35) 72,007	(35) 69,105	(34) 63,648	(34) 54,625	(33) 39,510	(35) 17,311	(37) 2,733	(32) 145	BURNLEY.
COVENTRY	100,000	(1) 92,060	(3) 89,095	(4) 86,458	(5) 84,282	(4) 83,586	(5) 82,389	(6) 80,802	(6) 78,021	(3) 73,377	(4) 66,039	(7) 51,179	(7) 29,556	(12) 6,673	(31) 147	COVENTRY.
CROYDON	100,000	(2) 91,860	(1) 90,135	(1) 88,573	(1) 87,107	(1) 86,460	(1) 85,746	(1) 84,820	(1) 82,452	(1) 78,247	(1) 71,344	(1) 59,706	(1) 39,638	(1) 12,665	(2) 942	CROYDON.
DERBY	100,000	(4) 91,390	(4) 89,085	(3) 86,771	(3) 85,225	(3) 84,334	(3) 83,245	(3) 81,881	(3) 78,479	(5) 73,000	(5) 65,840	(5) 52,488	(10) 26,309	(19) 5,008	(19) 311	DERBY.
GATESHEAD	100,000	(18) 88,850	(27) 83,694	(28) 80,427	(27) 79,009	(28) 77,943	(27) 76,807	(30) 74,837	(31) 70,991	(30) 65,346	(29) 56,239	(28) 41,378	(26) 21,246	(22) 4,486	(34) 117	GATESHEAD.
HALIFAX	100,000	(6) 90,690	(6) 88,269	(5) 86,087	(4) 84,666	(5) 83,465	(6) 82,335	(5) 81,102	(5) 78,247	(7) 72,986	(8) 64,129	(10) 48,810	(17) 24,466	(29) 3,910	(23) 211	HALIFAX.
HUDDERSFIELD	100,000	(11) 89,430	(11) 86,400	(11) 84,035	(10) 82,829	(11) 81,987	(8) 80,892	(9) 79,427	(8) 76,869	(10) 71,038	(11) 62,152	(15) 46,055	(22) 22,921	(23) 4,348	(35) 116	HUDDERSFIELD.
KINGSTON UPON HULL	100,000	(21) 88,470	(20) 84,603	(17) 82,057	(17) 80,418	(16) 79,632	(18) 78,414	(18) 77,043	(20) 73,386	(20) 68,150	(16) 60,016	(16) 46,053	(16) 24,828	(14) 6,215	(15) 344	KINGSTON UPON HULL.
LEEDS	100,000	(24) 88,020	(23) 84,481	(23) 81,446	(24) 79,648	(25) 78,640	(25) 77,254	(26) 75,828	(24) 72,663	(24) 67,659	(19) 59,491	(20) 44,825	(21) 23,213	(24) 4,146	(36) 92	LEEDS.
LEICESTER	100,000	(11) 89,430	(10) 86,614	(10) 84,262	(11) 82,721	(10) 82,029	(11) 80,669	(12) 79,140	(11) 75,997	(9) 71,123	(10) 63,292	(9) 50,457	(9) 27,401	(10) 7,228	(10) 486	LEICESTER.
LIVERPOOL	100,000	(32) 87,140	(36) 81,530	(35) 77,467	(35) 75,702	(36) 74,538	(36) 73,263	(36) 71,929	(36) 68,128	(36) 61,640	(37) 51,460	(37) 35,893	(37) 16,956	(31) 3,428	(25) 210	LIVERPOOL.
MANCHESTER	100,000	(29) 87,560	(31) 83,293	(30) 80,015	(30) 78,282	(30) 77,348	(31) 76,017	(31) 74,616	(27) 71,337	(29) 65,440	(32) 55,622	(30) 40,260	(29) 19,243	(25) 4,122	(21) 281	MANCHESTER.
MIDDLESBROUGH	100,000	(28) 87,670	(35) 81,692	(37) 76,602	(37) 74,623	(37) 73,469	(37) 72,379	(37) 70,886	(37) 68,124	(37) 61,399	(35) 54,312	(36) 37,601	(33) 18,259	(35) 3,042	(20) 295	MIDDLESBROUGH.

Newcastle upon Tyne	100,000	(14) 89,400	(14) 85,651	(16) 82,397	(16) 80,562	(18) 79,522	(19) 78,213	(21) 76,819	(23) 73,092	(21) 67,912	(24) 58,657	(25) 42,616	(25) 21,753	(20) 4,988	(21) 281	Newcastle upon Tyne.
Norwich	100,000	(8) 89,950	(7) 87,522	(8) 84,804	(8) 83,238	(7) 82,538	(7) 81,344	(7) 79,614	(7) 77,058	(4) 73,233	(3) 66,630	(2) 57,130	(2) 36,782	(2) 11,418	(1) 1,053	Norwich.
Nottingham	100,000	(33) 86,980	(30) 83,487	(27) 80,486	(25) 79,296	(24) 78,699	(24) 77,622	(22) 76,360	(22) 73,128	(16) 68,359	(17) 59,957	(12) 47,117	(11) 26,120	(16) 5,826	(27) 203	Nottingham.
Oldham	100,000	(24) 88,020	(25) 83,939	(25) 80,837	(26) 79,169	(26) 78,128	(28) 76,580	(29) 74,902	(30) 70,893	(27) 65,529	(33) 55,073	(34) 38,429	(36) 17,026	(32) 3,342	(37) 53	Oldham.
Plymouth	100,000	(22) 88,370	(17) 85,030	(14) 82,848	(15) 81,026	(14) 80,265	(15) 78,690	(17) 77,134	(19) 73,435	(17) 68,336	(14) 60,361	(11) 47,648	(8) 28,872	(7) 7,934	(3) 911	Plymouth.
Portsmouth	100,000	(5) 90,770	(5) 88,357	(7) 85,711	(9) 83,172	(9) 82,098	(9) 80,816	(8) 79,476	(9) 76,717	(8) 71,729	(7) 64,134	(6) 51,718	(5) 30,967	(9) 7,657	(9) 489	Portsmouth.
Preston	100,000	(34) 86,560	(29) 83,494	(32) 79,746	(33) 77,313	(33) 76,046	(34) 74,667	(33) 73,306	(33) 70,197	(33) 64,491	(27) 56,895	(31) 40,114	(32) 18,421	(36) 2,987	(28) 175	Preston.
Salford	100,000	(30) 87,550	(32) 82,742	(33) 79,260	(32) 77,603	(32) 76,659	(32) 75,429	(32) 74,240	(32) 70,730	(31) 64,739	(31) 55,770	(32) 39,614	(31) 18,605	(34) 3,123	(23) 211	Salford.
Sheffield	100,000	(13) 89,420	(15) 85,140	(20) 81,832	(18) 80,335	(17) 79,549	(16) 78,538	(16) 77,277	(15) 74,177	(13) 69,162	(13) 60,655	(13) 46,470	(12) 25,358	(18) 5,126	(16) 343	Sheffield.
Southampton	100,000	(7) 90,470	(7) 87,522	(6) 85,954	(6) 84,217	(6) 83,356	(4) 82,447	(4) 81,560	(4) 78,461	(6) 72,991	(6) 64,426	(4) 52,496	(4) 30,998	(3) 10,524	(4) 841	Southampton.
South Shields	100,000	(19) 88,820	(22) 84,507	(21) 81,705	(19) 80,249	(20) 79,315	(22) 77,864	(24) 76,204	(28) 71,323	(32) 64,643	(30) 56,157	(29) 41,349	(30) 18,692	(27) 3,998	(17) 329	South Shields.
Stockport	100,000	(31) 87,240	(24) 83,948	(24) 81,344	(21) 80,055	(22) 79,096	(20) 78,068	(19) 77,034	(18) 73,678	(22) 67,860	(21) 59,427	(23) 43,364	(24) 21,927	(28) 3,966	(14) 364	Stockport.
Stoke on Trent	100,000	(36) 85,350	(34) 81,844	(34) 78,560	(34) 77,016	(34) 75,764	(33) 74,668	(34) 73,301	(34) 69,456	(35) 62,753	(36) 52,927	(35) 37,850	(34) 17,729	(30) 3,602	(13) 373	Stoke on Trent.
Sunderland	100,000	(27) 87,830	(28) 83,503	(29) 80,191	(29) 78,387	(31) 77,257	(30) 76,181	(27) 75,050	(26) 71,466	(28) 65,466	(28) 56,622	(27) 41,768	(23) 22,143	(21) 4,518	(18) 315	Sunderland.
West Ham	100,000	(17) 89,000	(21) 84,526	(22) 81,607	(20) 80,168	(19) 79,353	(17) 78,484	(15) 77,344	(14) 74,182	(15) 68,825	(18) 59,664	(17) 45,768	(14) 25,074	(13) 6,300	(30) 150	West Ham.
Cardiff	100,000	(20) 88,500	(13) 85,761	(13) 83,110	(13) 81,477	(13) 80,497	(13) 79,438	(13) 77,807	(17) 73,884	(19) 68,188	(15) 60,199	(18) 45,576	(13) 25,220	(5) 8,240	(11) 457	Cardiff.
Swansea	100,000	(15) 89,140	(16) 85,111	(19) 81,901	(23) 79,944	(21) 79,193	(23) 77,766	(23) 76,221	(25) 72,186	(25) 66,278	(26) 57,571	(24) 42,963	(20) 23,522	(8) 7,680	(6) 773	Swansea.
Rural Districts in Norfolk and Suffolk.	100,000	92,330	90,903	89,715	88,830	88,174	87,113	85,467	81,564	77,420	71,888	60,784	41,204	13,685	846	Rural Districts in Norfolk and Suffolk.

TABLE V.—$l_x - l_{x+n}$: *Deaths in several Age periods per* 100,000 *born, according to the Mortality experience of the years* 1911–12. *Males.*

Area.	Deaths at Age group:—														Area.
	0–	1–	2–	5–	10–	15–	20–	25–	35–	45–	55–	65–	75–	85–	95–	
SUMMARY.																SUMMARY.
All Areas — North	13,850	3,763	2,815	1,548	874	1,349	1,541	3,830	6,037	10,143	16,399	20,737	14,248	2,761	105	All Areas — North.
All Areas — Midlands	11,830	2,571	2,051	1,277	675	1,061	1,441	3,385	5,090	8,480	14,542	21,764	19,892	5,680	261	All Areas — Midlands.
All Areas — South (including London)	10,850	2,724	2,071	1,337	739	1,054	1,409	3,751	6,183	9,776	15,203	20,746	18,309	5,545	303	All Areas — South (inc. London)
All Areas — ,, (excluding London)	9,720	1,929	1,667	1,253	660	1,044	1,394	3,579	5,385	8,468	14,133	21,891	21,279	7,194	404	All Areas — ,, (exc. London)
All Areas — Wales	13,330	2,852	2,153	1,337	770	1,299	1,524	3,577	5,487	8,902	15,231	21,373	17,400	4,475	290	All Areas — Wales.
All Areas — England and Wales	12,400	3,050	2,330	1,388	766	1,151	1,447	3,656	5,761	9,471	15,460	21,097	17,264	4,539	220	All Areas — England and Wales.
London	12,040	3,639	2,545	1,438	840	1,076	1,416	3,935	7,046	11,217	16,463	19,617	14,976	3,569	183	London.
County Boroughs — North	14,500	4,310	3,163	1,660	903	1,342	1,599	4,162	6,805	11,213	16,960	19,419	11,828	2,051	85	County Boroughs — North.
County Boroughs — Midlands	14,020	3,502	2,705	1,437	724	1,147	1,485	3,685	5,880	9,713	15,534	20,622	15,863	3,557	126	County Boroughs — Midlands.
County Boroughs — South	11,110	2,524	2,077	1,490	668	1,004	1,335	3,818	6,597	9,523	14,828	21,206	17,866	5,611	343	County Boroughs — South.
County Boroughs — Wales	13,380	3,350	2,705	1,382	770	1,397	1,585	4,146	6,249	10,449	16,168	19,791	14,860	3,582	186	County Boroughs — Wales.
County Boroughs — England and Wales	13,980	3,850	2,899	1,565	821	1,270	1,530	3,980	6,495	10,576	16,325	19,972	13,710	2,901	126	County Boroughs — England and Wales.
Other Urban Districts — North	13,520	3,480	2,612	1,489	868	1,399	1,539	3,550	5,283	9,590	16,455	22,001	15,266	2,846	102	Other Urban Districts — North.
Other Urban Districts — Midlands	11,530	2,445	1,961	1,270	632	1,072	1,378	3,159	4,925	8,411	14,902	22,374	19,801	5,820	320	Other Urban Districts — Midlands.
Other Urban Districts — South	10,030	1,954	1,753	1,283	677	1,100	1,409	3,547	5,388	8,755	14,644	22,208	20,217	6,650	385	Other Urban Districts — South.
Other Urban Districts — Wales	14,250	3,243	2,320	1,342	786	1,225	1,391	3,286	5,287	9,107	15,858	21,740	16,064	3,892	209	Other Urban Districts — Wales.
Other Urban Districts — England and Wales	12,300	2,824	2,195	1,357	739	1,191	1,442	3,381	5,177	8,984	15,550	22,156	17,800	4,666	238	Other Urban Districts — England and Wales.
Rural Districts — North	12,360	2,567	2,060	1,289	783	1,163	1,399	3,332	4,872	7,225	13,641	22,322	21,378	5,412	197	Rural Districts — North.
Rural Districts — Midlands	9,710	1,706	1,439	1,116	690	976	1,456	3,349	4,388	7,255	13,170	22,618	24,197	7,593	337	Rural Districts — Midlands.
Rural Districts — South	8,450	1,523	1,317	1,082	634	1,000	1,404	3,434	4,579	7,524	13,253	22,084	24,520	8,733	463	Rural Districts — South.
Rural Districts — Wales	11,780	1,882	1,550	1,305	743	1,340	1,756	3,698	5,317	7,635	14,109	21,723	20,986	5,743	433	Rural Districts — Wales.
Rural Districts — England and Wales	10,300	1,894	1,568	1,169	698	1,056	1,468	3,401	4,646	7,340	13,362	22,289	23,248	7,217	344	Rural Districts — England and Wales.
Administrative Counties.																*Administrative Counties.*
BEDFORDSHIRE	10,540	1,981	1,268	1,148	686	858	1,340	3,485	4,934	7,906	13,854	22,218	22,999	6,437	346	BEDFORDSHIRE.
BERKSHIRE	8,050	1,719	1,410	830	633	1,004	1,452	3,885	4,759	8,278	13,448	22,384	23,718	7,789	641	BERKSHIRE.
BUCKINGHAMSHIRE	9,000	1,617	1,468	1,155	649	998	1,329	3,449	4,369	7,689	14,066	24,057	22,849	6,911	394	BUCKINGHAMSHIRE.
CAMBRIDGESHIRE	9,070	2,224	2,030	1,926	709	1,068	1,560	3,702	5,007	7,872	13,158	22,095	22,251	7,165	163	CAMBRIDGESHIRE.
CHESHIRE	12,240	2,616	2,048	1,372	879	1,158	1,431	3,356	5,373	9,140	15,813	22,830	18,122	3,456	166	CHESHIRE.
CORNWALL	11,760	2,045	1,487	1,438	993	1,493	1,829	4,050	5,846	8,871	14,003	21,787	18,302	5,793	303	CORNWALL.
CUMBERLAND	12,520	2,606	2,432	1,326	912	996	1,670	3,886	6,293	8,635	15,704	21,478	17,338	4,092	112	CUMBERLAND.
DERBYSHIRE	12,860	2,584	2,093	1,369	733	1,084	1,039	2,754	4,426	7,544	15,203	23,580	20,082	4,511	138	DERBYSHIRE.
DEVONSHIRE	9,490	1,741	1,808	1,305	737	1,121	1,584	4,344	5,070	8,263	13,614	21,409	21,200	7,841	473	DEVONSHIRE.
DORSETSHIRE	8,290	1,498	1,504	1,319	717	745	916	3,304	4,603	7,860	14,014	22,468	24,451	7,991	320	DORSETSHIRE.

Durham	14,560	3,731	2,678	1,471	807	1,407	1,436	3,396	4,835	8,527	14,191	22,200	16,857	3,797	107	Durham.
Ely, Isle of	12,170	2,656	1,800	865	811	783	1,653	4,288	4,187	6,754	11,836	21,285	21,341	9,285	286	Ely, Isle of.
Essex	9,950	1,934	1,653	1,221	638	1,187	1,560	3,220	5,022	7,863	14,361	21,644	21,852	7,418	477	Essex.
Gloucestershire	9,360	1,696	1,420	1,022	782	956	1,551	3,681	4,849	8,483	14,481	24,109	21,072	6,270	268	Gloucestershire.
Herefordshire	8,770	1,860	1,195	1,018	516	881	1,726	3,161	5,180	8,015	14,465	25,479	21,404	6,006	324	Herefordshire.
Hertfordshire	8,650	1,491	1,172	1,040	596	1,090	1,135	3,043	5,112	7,809	13,605	24,397	23,781	6,725	354	Hertfordshire.
Huntingdonshire	8,530	2,072	1,552	932	582	887	1,741	2,761	3,604	7,051	12,568	23,440	26,220	7,710	350	Huntingdonshire.
Kent	10,370	2,058	1,838	1,235	706	983	1,437	3,498	5,153	8,201	13,791	21,401	21,674	7,247	408	Kent.
Lancashire	13,600	3,173	2,623	1,456	890	1,342	1,606	3,625	5,534	9,829	17,034	21,724	14,735	2,725	104	Lancashire.
Leicestershire	10,710	1,997	1,650	1,274	705	1,211	1,294	3,396	4,560	8,060	13,528	22,490	22,672	6,178	275	Leicestershire.
Lincolnshire: Holland	11,990	2,016	1,232	1,531	655	852	1,213	3,830	4,616	7,512	12,427	21,776	22,337	7,529	484	Lincolnshire: Holland.
,, Kesteven	9,620	1,352	1,523	949	995	1,259	919	3,232	5,312	6,228	13,817	22,754	23,963	7,539	538	,, Kesteven.
,, Lindsey	10,860	1,708	1,470	1,169	722	1,085	1,513	3,416	3,475	6,862	13,250	20,832	24,241	8,949	448	,, Lindsey.
London	12,040	3,639	2,545	1,438	840	1,076	1,416	3,935	7,046	11,217	16,463	19,617	14,976	3,569	183	London.
Middlesex	10,790	2,267	1,701	1,248	567	918	1,219	3,010	4,644	8,378	15,400	22,083	20,424	6,973	378	Middlesex.
Monmouthshire	13,770	3,473	2,219	1,205	706	1,057	1,318	3,022	5,204	8,770	15,281	21,886	16,949	4,772	368	Monmouthshire.
Norfolk	9,880	1,428	1,221	899	673	916	1,548	3,667	4,208	6,624	12,863	21,968	24,988	8,788	329	Norfolk.
Northamptonshire	9,970	1,800	1,694	1,461	832	1,058	1,615	3,311	4,264	7,400	14,026	22,094	22,971	7,303	201	Northamptonshire.
Northumberland	12,340	2,804	1,965	1,252	914	1,497	1,386	3,747	4,432	7,945	14,759	22,376	20,035	4,357	191	Northumberland.
Nottinghamshire	12,420	2,468	2,343	1,137	607	994	1,317	2,877	4,294	7,274	12,746	22,899	21,921	6,419	284	Nottinghamshire.
Oxfordshire	8,810	1,500	1,567	1,067	753	916	1,432	2,866	4,670	7,706	13,056	22,842	25,107	7,235	473	Oxfordshire.
Peterborough, Soke of	11,410	2,729	2,295	1,693	377	1,449	787	2,544	5,305	7,889	12,171	21,841	22,037	7,354	119	Peterborough, Soke of.
Rutlandshire	7,290	1,163	901	1,245	1,027	505	1,151	4,175	3,216	7,576	15,095	23,718	24,092	7,471	1,375	Rutlandshire.
Shropshire	9,750	1,767	1,479	1,111	655	942	1,262	3,482	4,881	8,571	15,282	22,910	21,415	6,099	394	Shropshire.
Somersetshire	8,790	1,456	1,131	866	686	1,179	1,464	3,459	5,069	8,184	16,023	22,981	21,759	6,631	322	Somersetshire.
Southampton	9,090	1,725	1,497	1,197	740	872	1,338	3,695	5,498	8,118	13,272	21,853	22,369	8,382	354	Southampton.
Staffordshire	13,250	3,105	2,432	1,371	636	1,111	1,370	3,533	5,328	8,934	14,486	21,603	18,382	4,228	231	Staffordshire.
Suffolk, East	9,390	1,619	1,366	873	488	1,092	1,443	3,784	4,387	7,035	12,195	21,199	25,755	8,867	507	Suffolk, East.
,, West	8,730	1,448	1,292	827	712	966	1,918	3,697	5,467	8,156	14,078	21,905	20,962	9,481	361	,, West.
Surrey	8,860	1,709	1,515	1,220	466	1,029	1,216	2,680	4,659	7,665	13,903	21,719	23,381	9,345	633	Surrey.
Sussex, East	7,490	1,351	1,265	987	517	1,455	1,296	3,171	4,749	8,037	13,154	23,883	24,171	8,094	380	Sussex, East.
,, West	8,770	1,607	1,473	1,240	408	1,180	1,477	3,451	4,785	9,182	12,312	22,306	21,872	9,387	550	,, West.
Warwickshire	11,480	2,270	2,048	1,165	625	874	1,489	2,980	4,892	8,159	13,510	22,278	21,956	5,885	389	Warwickshire.
Westmorland	9,040	1,580	1,796	1,388	565	490	1,854	3,492	4,996	6,826	14,473	25,362	20,795	7,203	140	Westmorland.
Wight, Isle of	7,320	2,201	1,637	1,000	322	830	962	3,587	6,042	8,540	14,872	21,768	22,726	7,682	511	Wight, Isle of.
Wiltshire	8,400	1,433	1,294	1,255	574	966	1,157	3,569	4,409	7,724	14,710	22,988	24,456	6,682	383	Wiltshire.
Worcestershire	10,920	2,645	1,971	1,276	651	1,025	1,376	3,060	4,625	8,905	14,949	22,358	20,343	5,704	192	Worcestershire.
Yorkshire, East Riding	9,940	1,705	1,366	1,175	629	1,129	1,373	3,956	4,396	7,113	13,870	22,000	23,950	7,210	188	Yorkshire, East Riding.
,, North ,,	11,700	3,400	2,622	1,636	777	1,481	1,394	3,721	5,193	8,006	13,130	21,723	19,962	4,985	270	,, North ,,
,, West ,,	13,170	3,452	2,493	1,453	823	1,382	1,463	3,286	4,997	8,865	16,149	22,501	16,675	3,188	103	,, West ,,
Anglesey	13,240	2,010	1,221	1,093	689	867	1,571	3,991	5,229	8,032	15,020	21,612	19,770	5,131	524	Anglesey.
Brecknockshire	13,930	2,450	1,776	1,420	802	1,452	886	3,048	5,539	9,113	14,718	20,729	17,819	5,405	913	Brecknockshire.
Cardiganshire	12,940	1,312	966	1,554	965	1,332	2,500	6,868	6,002	7,747	13,226	21,936	17,076	5,249	327	Cardiganshire.
Carmarthenshire	12,730	2,145	1,632	1,722	991	1,544	1,547	3,886	5,082	7,995	13,877	22,380	19,767	4,446	256	Carmarthenshire.
Carnarvonshire	11,420	2,176	1,977	1,342	1,170	1,657	1,836	4,182	5,938	8,364	15,638	21,825	17,635	4,495	345	Carnarvonshire.
Denbighshire	13,310	2,151	1,748	1,587	536	1,084	1,434	2,849	5,127	8,048	14,020	23,767	19,838	4,348	153	Denbighshire.
Flintshire	10,770	2,392	1,992	848	883	1,012	1,921	4,400	5,998	8,258	16,277	23,192	18,053	3,835	169	Flintshire.
Glamorganshire	14,330	3,045	2,252	1,304	784	1,137	1,462	2,970	5,112	8,881	15,846	21,875	16,122	4,598	282	Glamorganshire.
Merionethshire	10,500	1,325	2,280	1,647	371	1,858	2,524	5,007	4,484	8,872	17,591	22,497	17,133	3,847	64	Merionethshire.
Montgomeryshire	9,720	1,246	1,062	1,271	314	1,158	1,457	4,532	4,379	7,845	12,242	21,917	27,088	5,375	394	Montgomeryshire.
Pembrokeshire	9,920	1,555	1,729	1,336	660	1,944	1,642	5,374	7,284	8,401	13,394	19,768	20,545	5,817	631	Pembrokeshire.
Radnorshire	9,430	1,770	1,435	1,034	570	599	1,636	4,890	5,535	3,799	13,185	19,549	25,607	10,612	349	Radnorshire.

TABLE V.—$l_x - l_{x+n}$: *Deaths in several Age periods per* 100,000 *born, according to the Mortality experience of the years* 1911–12. *Males—contd.*

Area.	Deaths at Age group:—														Area.
	0–	1–	2–	5–	10–	15–	20–	25–	35–	45–	55–	65–	75–	85–	95–	
Administrative Counties with Urban and Rural Aggregates containing more than 200,000 *population in each.*																*Administrative Counties with Urban and Rural Aggregates containing more than* 200,000 *population in each.*
DERBYSHIRE:																DERBYSHIRE:
Urban Districts	13,330	2,760	2,149	1,361	684	1,274	1,039	2,447	4,512	7,724	15,150	24,146	19,348	3,949	127	Urban Districts.
Rural Districts	12,370	2,396	2,033	1,381	788	946	1,041	3,080	4,330	7,349	15,248	22,977	20,819	5,093	149	Rural Districts.
DEVONSHIRE:																DEVONSHIRE:
Urban Districts	9,550	2,271	2,227	1,455	702	1,480	1,649	4,801	6,117	8,865	14,081	20,809	18,446	7,078	469	Urban Districts.
Rural Districts	9,440	1,249	1,424	1,166	767	849	1,550	3,871	4,002	7,660	13,089	21,340	24,382	8,724	487	Rural Districts.
DURHAM:																DURHAM:
Urban Districts	13,920	4,006	2,960	1,521	854	1,392	1,490	3,673	5,217	9,319	15,210	22,255	15,071	3,007	105	Urban Districts.
Rural Districts	15,380	3,389	2,318	1,406	754	1,435	1,381	2,987	4,305	7,466	12,722	21,771	19,549	5,025	112	Rural Districts.
ESSEX:																ESSEX:
Urban Districts	10,310	2,098	1,765	1,333	649	1,290	1,513	3,165	4,988	8,246	15,071	21,637	20,491	6,879	565	Urban Districts.
Rural Districts	8,750	1,379	1,247	849	605	993	1,752	3,394	5,128	6,836	12,749	22,226	25,094	8,586	412	Rural Districts.
KENT:																KENT:
Urban Districts	10,560	2,157	1,968	1,345	722	1,030	1,410	3,567	5,245	8,757	15,056	21,855	20,222	5,888	218	Urban Districts.
Rural Districts	9,910	1,834	1,549	993	675	885	1,500	3,307	4,914	7,074	11,415	20,693	24,457	9,878	916	Rural Districts.
LANCASHIRE:																LANCASHIRE:
Urban Districts	13,990	3,357	2,665	1,470	886	1,392	1,660	3,628	5,602	10,178	17,332	21,587	13,854	2,310	89	Urban Districts.
Rural Districts	10,990	2,005	2,340	1,358	925	919	1,246	3,578	5,123	7,514	15,176	22,921	20,052	5,646	207	Rural Districts.
SOUTHAMPTON:																SOUTHAMPTON:
Urban Districts	10,080	1,910	1,982	1,428	707	992	1,413	3,674	6,159	9,055	13,215	21,032	20,586	7,368	399	Urban Districts.
Rural Districts	8,090	1,542	1,035	993	773	736	1,218	3,697	4,883	7,399	13,428	22,724	23,942	9,196	344	Rural Districts.
STAFFORDSHIRE:																STAFFORDSHIRE:
Urban Districts	13,980	3,511	2,695	1,470	617	1,121	1,280	3,533	5,669	9,185	15,170	21,488	16,750	3,344	187	Urban Districts.
Rural Districts	11,200	2,029	1,702	1,118	682	1,095	1,537	3,551	4,543	8,379	13,007	22,008	22,408	6,400	341	Rural Districts.
SURREY:																SURREY:
Urban Districts	9,350	1,753	1,382	1,109	512	1,000	1,191	2,687	4,806	7,776	14,543	22,307	22,174	8,632	778	Urban Districts.
Rural Districts	7,890	1,616	1,785	1,435	384	1,088	1,306	2,656	4,333	7,445	12,657	20,568	25,742	10,695	400	Rural Districts.
YORKSHIRE, WEST RIDING:																YORKSHIRE, WEST RIDING:
Urban Districts	13,410	3,569	2,619	1,541	845	1,399	1,414	3,225	4,887	9,428	16,692	22,661	15,474	2,752	84	Urban Districts.
Rural Districts	12,470	3,138	2,148	1,196	768	1,311	1,613	3,473	5,350	6,974	14,067	21,733	20,872	4,720	167	Rural Districts.

GLAMORGANSHIRE:																GLAMORGANSHIRE:
Urban Districts	15,010	3,341	2,396	1,308	819	1,180	1,387	3,005	5,017	9,086	15,832	22,095	15,386	3,966	172	Urban Districts.
Rural Districts	12,370	2,184	1,857	1,294	688	1,094	1,693	2,881	5,389	8,259	15,950	21,659	18,186	5,965	531	Rural Districts.
County Boroughs with populations exceeding 100,000.																*County Boroughs with populations exceeding* 100,000.
BIRKENHEAD	12,390	4,182	2,899	1,820	862	1,161	1,508	4,496	6,750	11,806	17,110	18,711	13,732	2,388	185	BIRKENHEAD.
BIRMINGHAM	15,120	4,078	3,079	1,468	596	921	1,326	3,744	6,281	9,931	16,242	19,388	14,697	2,999	130	BIRMINGHAM.
BLACKBURN	16,650	3,720	2,312	1,501	693	1,550	1,262	3,467	6,219	9,907	16,538	20,933	12,637	2,555	56	BLACKBURN.
BOLTON	13,910	3,229	2,526	1,586	1,082	1,414	1,641	3,704	6,308	12,420	17,901	21,983	10,442	1,619	235	BOLTON.
BRADFORD	13,060	2,882	2,197	1,635	930	1,128	1,390	4,035	6,585	11,201	17,789	21,312	13,565	2,208	83	BRADFORD.
BRIGHTON	9,230	2,420	1,627	1,323	564	859	1,246	4,380	7,230	9,628	16,273	21,398	18,331	5,146	345	BRIGHTON.
BRISTOL	13,820	2,804	2,590	1,428	721	1,054	1,745	3,831	5,879	9,263	15,215	21,670	16,242	3,636	102	BRISTOL.
BURNLEY	19,810	4,027	2,543	1,295	1,107	835	1,297	3,009	4,639	9,730	16,667	22,574	10,948	1,450	69	BURNLEY.
COVENTRY	10,360	3,353	3,232	2,246	632	1,227	818	2,796	4,753	9,843	17,955	21,022	17,512	4,061	190	COVENTRY.
CROYDON	10,200	1,948	2,018	1,337	624	1,066	1,603	3,257	5,113	8,474	14,854	21,912	19,570	7,294	730	CROYDON.
DERBY	11,620	3,170	1,883	1,188	578	1,485	1,538	3,075	4,907	8,292	16,151	23,404	17,361	5,307	41	DERBY.
GATESHEAD	13,230	5,099	3,209	1,652	995	1,456	1,637	4,427	6,504	9,676	16,296	20,444	13,321	1,874	180	GATESHEAD.
HALIFAX	11,190	1,758	2,764	1,821	431	1,525	1,677	3,936	5,416	11,863	20,720	20,460	14,447	1,948	44	HALIFAX.
HUDDERSFIELD	12,360	2,066	2,430	1,547	1,424	1,434	1,374	3,311	6,512	9,983	19,399	22,288	13,774	1,803	295	HUDDERSFIELD.
KINGSTON UPON HULL	14,110	3,218	2,451	1,316	745	1,089	1,854	4,178	6,293	11,175	16,483	19,881	14,754	2,281	172	KINGSTON UPON HULL.
LEEDS	14,150	3,820	2,867	1,796	817	1,375	1,532	4,212	6,529	9,940	16,377	21,291	13,002	2,249	43	LEEDS.
LEICESTER	13,370	2,706	2,456	1,200	722	1,453	1,442	3,895	4,947	9,056	15,474	20,894	17,475	4,721	189	LEICESTER.
LIVERPOOL	15,150	5,989	4,083	1,932	830	1,464	1,723	5,182	8,118	12,246	16,662	15,840	8,923	1,788	70	LIVERPOOL.
MANCHESTER	15,450	4,383	3,474	1,579	980	1,458	1,592	4,464	7,488	11,810	16,985	18,052	10,403	1,802	80	MANCHESTER.
MIDDLESBROUGH	17,080	7,470	4,670	1,957	1,226	1,645	1,524	3,897	7,163	10,827	14,256	16,204	10,197	1,659	225	MIDDLESBROUGH.
NEWCASTLE UPON TYNE	13,180	4,274	2,622	1,690	976	1,272	1,976	4,154	6,369	11,187	16,346	20,070	13,445	2,401	38	NEWCASTLE UPON TYNE.
NORWICH	13,570	2,702	2,503	1,531	709	1,139	1,484	3,487	4,232	8,073	15,436	19,660	20,267	4,915	292	NORWICH.
NOTTINGHAM	14,970	3,869	2,746	1,339	629	1,188	1,341	3,827	6,474	9,821	14,975	19,554	15,963	3,203	101	NOTTINGHAM.
OLDHAM	15,800	3,852	3,122	1,568	925	1,326	1,340	3,864	6,890	12,378	18,074	19,748	9,700	1,346	67	OLDHAM.
PLYMOUTH	13,310	3,387	2,452	1,463	621	1,601	1,549	4,325	8,261	9,537	15,259	18,731	15,671	3,601	232	PLYMOUTH.
PORTSMOUTH	11,790	2,857	2,508	2,166	804	906	957	3,294	7,431	10,496	15,591	20,924	15,149	5,018	109	PORTSMOUTH.
PRESTON	15,940	3,694	3,546	2,085	592	1,421	1,681	3,898	6,715	11,124	17,676	19,041	10,909	1,632	46	PRESTON.
SALFORD	15,510	4,464	3,377	1,653	920	1,353	1,955	4,778	7,767	11,261	17,690	17,828	9,464	1,935	45	SALFORD.
SHEFFIELD	14,020	4,388	3,274	1,385	899	1,049	1,406	3,437	6,369	11,569	16,939	20,640	12,271	2,281	73	SHEFFIELD.
SOUTHAMPTON	12,400	2,264	1,560	1,128	501	1,180	1,601	5,495	7,592	11,260	14,788	21,244	14,688	4,209	90	SOUTHAMPTON.
SOUTH SHIELDS	13,920	4,497	2,485	1,372	661	1,555	2,013	4,630	6,989	12,066	16,795	20,033	11,577	1,384	23	SOUTH SHIELDS.
STOCKPORT	15,310	3,222	3,029	1,482	767	1,013	1,345	3,837	6,517	11,786	16,994	20,724	11,495	2,313	166	STOCKPORT.
STOKE ON TRENT	18,140	4,136	2,954	1,668	700	1,320	1,459	4,184	6,310	12,288	17,059	18,834	9,318	1,586	44	STOKE ON TRENT.
SUNDERLAND	14,510	4,551	3,318	1,525	1,205	1,382	1,892	4,760	6,846	10,635	14,741	18,953	13,031	2,603	48	SUNDERLAND.
WEST HAM	13,410	4,048	3,199	1,347	915	1,411	1,749	3,806	6,257	10,167	15,279	20,371	14,765	3,238	38	WEST HAM.
CARDIFF	12,980	3,014	2,657	1,232	635	1,446	1,263	4,190	6,637	11,421	16,888	19,545	14,936	3,043	113	CARDIFF.
SWANSEA	12,930	3,238	2,986	1,596	856	1,402	1,933	4,547	5,966	9,843	16,396	20,005	14,296	3,720	286	SWANSEA.
Rural Districts in Norfolk and Suffolk	9,310	1,315	1,181	874	636	996	1,620	3,670	4,147	6,346	12,353	21,092	26,184	9,855	421	Rural Districts in Norfolk and Suffolk.

TABLE VI.—$l_x - l_{x+n}$: *Deaths in several Age periods per* 100,000 *born, according to the Mortality experience of the years* 1911–12. *Females.*

Area.	Deaths at Age group :—														Area.
	0–	1–	2–	5–	10–	15–	20–	25–	35–	45–	55–	65–	75–	85–	95–	
SUMMARY.																SUMMARY.
All Areas — North	11,360	3,631	2,876	1,602	937	1,218	1,402	3,390	5,194	8,437	14,771	21,675	18,487	4,746	274	All Areas — North.
All Areas — Midlands	9,420	2,550	2,102	1,290	745	1,062	1,229	3,030	4,532	7,146	12,560	21,107	23,457	9,085	685	All Areas — Midlands.
All Areas — South (including London)	8,870	2,523	2,040	1,311	775	966	1,086	2,861	4,697	7,688	12,480	20,529	23,742	9,702	730	All Areas — South (incl. London)
All Areas — ,, (excluding London)	7,750	1,773	1,565	1,263	750	985	1,134	2,804	4,181	6,899	11,679	20,907	26,142	11,261	907	All Areas — ,, (excl. London)
All Areas — Wales	10,760	2,795	2,293	1,365	854	1,343	1,675	4,155	5,549	8,077	13,836	20,594	19,328	6,788	588	All Areas — Wales.
All Areas — England and Wales	10,060	2,942	2,372	1,409	826	1,096	1,299	3,177	4,869	7,791	13,344	21,072	21,542	7,646	555	All Areas — England and Wales.
London	10,050	3,380	2,591	1,374	808	952	1,032	2,932	5,316	8,704	13,606	20,233	20,800	7,714	508	London.
County Boroughs — North	11,860	4,158	3,246	1,681	990	1,279	1,394	3,421	5,590	9,004	15,134	21,149	16,828	4,034	232	County Boroughs — North.
County Boroughs — Midlands	11,290	3,472	2,849	1,495	771	1,062	1,339	3,095	5,253	8,280	13,179	20,824	20,278	6,388	425	County Boroughs — Midlands.
County Boroughs — South	8,920	2,253	1,970	1,584	813	1,003	1,179	2,793	4,516	7,263	11,760	20,527	24,537	10,088	794	County Boroughs — South.
County Boroughs — Wales	11,410	3,316	2,931	1,668	844	1,319	1,556	4,037	5,818	8,766	14,367	19,816	16,492	7,030	630	County Boroughs — Wales.
County Boroughs — England and Wales	11,390	3,730	2,990	1,612	899	1,149	1,382	3,281	5,376	8,568	14,118	20,932	18,696	5,511	366	County Boroughs — England and Wales.
Other Urban Districts — North	11,220	3,346	2,701	1,594	909	1,186	1,412	3,300	4,869	8,113	14,720	22,227	19,362	4,769	272	Other Urban Districts — North.
Other Urban Districts — Midlands	9,150	2,433	1,961	1,249	733	1,024	1,102	2,827	4,210	6,935	12,782	21,575	23,895	9,374	750	Other Urban Districts — Midlands.
Other Urban Districts — South	7,940	1,911	1,718	1,265	729	921	1,003	2,672	4,078	7,097	11,785	20,813	25,912	11,235	921	Other Urban Districts — South.
Other Urban Districts — Wales	11,470	3,155	2,489	1,276	814	1,169	1,530	3,914	5,593	8,330	14,609	20,375	18,656	5,917	703	Other Urban Districts — Wales.
Other Urban Districts — England and Wales	9,960	2,757	2,240	1,376	802	1,074	1,220	3,062	4,530	7,493	13,404	21,521	22,177	7,783	601	Other Urban Districts — England and Wales.
Rural Districts — North	9,840	2,491	1,989	1,350	812	1,078	1,340	3,471	4,433	6,923	13,324	21,995	22,831	7,669	454	Rural Districts — North.
Rural Districts — Midlands	7,620	1,667	1,469	1,114	728	1,124	1,403	3,282	4,161	6,186	11,682	21,042	26,226	11,427	869	Rural Districts — Midlands.
Rural Districts — South	6,770	1,325	1,140	1,069	736	1,057	1,293	2,973	4,068	6,386	11,478	21,251	27,409	12,079	966	Rural Districts — South.
Rural Districts — Wales	9,150	1,856	1,585	1,324	926	1,537	1,980	4,614	5,348	7,420	12,883	21,550	21,590	7,701	536	Rural Districts — Wales.
Rural Districts — England and Wales	8,130	1,803	1,523	1,179	769	1,134	1,452	3,386	4,315	6,499	12,049	21,275	25,288	10,423	775	Rural Districts — England and Wales.
Administrative Counties.																*Administrative Counties.*
BEDFORDSHIRE	9,080	1,918	1,703	1,216	568	1,308	1,062	2,903	4,124	6,624	11,548	21,843	24,586	10,572	945	BEDFORDSHIRE.
BERKSHIRE	6,150	1,414	1,293	1,095	771	873	1,158	3,332	3,999	6,376	11,446	21,713	28,338	10,965	1,077	BERKSHIRE.
BUCKINGHAMSHIRE	7,720	1,519	1,510	1,181	616	1,244	1,455	2,524	3,385	5,989	12,483	22,242	26,802	10,492	838	BUCKINGHAMSHIRE.
CAMBRIDGESHIRE	7,400	1,693	1,758	1,760	790	813	1,053	2,819	3,349	5,817	11,935	20,122	25,386	14,084	1,221	CAMBRIDGESHIRE.
CHESHIRE	9,910	2,484	2,087	1,399	810	970	950	2,943	4,464	7,733	14,459	22,704	22,396	6,233	458	CHESHIRE.
CORNWALL	9,890	1,942	1,730	1,306	716	1,127	1,517	2,965	4,096	7,032	11,349	20,931	24,808	9,947	644	CORNWALL.
CUMBERLAND	10,380	2,633	2,511	1,379	853	1,210	1,549	3,923	4,796	8,090	13,427	23,013	19,448	6,363	425	CUMBERLAND.
DERBYSHIRE	10,280	2,447	2,164	1,369	741	1,108	1,177	3,067	4,441	7,146	13,325	23,063	22,834	6,425	413	DERBYSHIRE.
DEVONSHIRE	7,570	1,716	1,565	1,343	927	1,147	1,370	3,351	4,445	6,655	12,243	20,777	24,918	11,136	837	DEVONSHIRE.
DORSETSHIRE	6,860	988	1,292	1,266	499	1,045	1,426	2,916	4,545	6,757	12,100	21,971	26,739	10,752	844	DORSETSHIRE.

Durham	11,910	3,674	2,830	1,507	959	1,259	1,475	3,792	5,201	8,246	14,124	21,890	17,945	4,999	189	Durham.
Ely, Isle of	9,360	1,901	1,474	1,363	445	1,664	1,640	2,892	5,001	4,886	11,458	20,524	24,997	11,030	1,365	Ely, Isle of.
Essex	7,720	2,057	1,441	1,100	660	1,085	1,084	2,856	4,436	6,849	12,383	20,795	25,860	10,828	846	Essex.
Gloucestershire..	7,270	1,498	1,256	947	871	1,143	1,498	3,184	3,996	6,447	11,819	22,122	25,943	11,236	770	Gloucestershire.
Herefordshire	6,300	1,440	1,350	1,305	775	1,051	1,421	3,985	4,217	6,938	14,118	21,669	24,764	9,663	1,004	Herefordshire.
Hertfordshire	6,540	1,516	1,546	926	608	908	924	2,684	3,755	6,230	11,916	21,349	27,063	12,781	1,254	Hertfordshire.
Huntingdonshire	7,680	2,003	1,309	990	82	1,113	2,164	2,480	3,320	5,922	11,607	19,918	28,293	12,308	811	Huntingdonshire.
Kent	8,100	2,096	1,700	1,215	785	930	1,133	2,755	4,382	7,004	11,444	20,095	25,621	11,577	1,163	Kent.
Lancashire	11,370	3,059	2,528	1,600	884	1,304	1,393	3,190	4,934	8,304	15,160	22,350	19,130	4,533	261	Lancashire.
Leicestershire	8,340	1,800	1,976	1,315	948	1,349	1,526	3,136	4,075	6,684	12,548	21,596	23,771	10,235	701	Leicestershire.
Lincolnshire: Holland ..	9,660	2,239	1,588	1,157	964	1,221	968	3,234	5,165	6,613	10,282	19,200	26,997	9,749	963	Lincolnshire: Holland.
,, Kesteven ..	7,390	1,879	1,385	1,011	834	1,262	1,227	3,605	3,795	6,114	10,861	21,593	26,981	11,124	939	,, Kesteven.
,, Lindsey ..	9,880	1,760	1,785	1,170	705	994	1,461	3,560	4,531	5,654	11,932	19,561	25,348	10,817	842	,, Lindsey.
London	10,050	3,380	2,591	1,374	808	952	1,032	2,932	5,316	8,704	13,606	20,233	20,800	7,714	508	London.
Middlesex	8,540	2,162	1,857	1,104	679	858	929	2,603	3,897	6,582	12,385	20,974	24,855	11,497	1,078	Middlesex.
Monmouthshire	11,400	3,652	2,458	1,192	676	942	1,711	3,931	5,617	8,771	14,081	19,960	18,333	6,175	1,101	Monmouthshire.
Norfolk	8,460	1,568	1,136	743	655	1,060	1,567	3,174	4,172	5,832	10,643	19,646	27,733	12,719	892	Norfolk.
Northamptonshire	7,730	1,518	1,393	1,437	1,070	1,133	1,620	3,081	4,329	6,177	11,401	20,183	26,634	11,461	833	Northamptonshire.
Northumberland	10,570	2,813	2,249	1,211	825	1,135	1,643	3,321	4,500	7,958	14,460	22,026	20,427	6,593	269	Northumberland.
Nottinghamshire	9,460	2,627	2,032	1,350	715	1,131	1,278	2,936	4,063	7,339	12,604	23,973	21,114	8,936	442	Nottinghamshire.
Oxfordshire	6,500	1,356	1,800	1,052	716	961	1,406	2,793	4,090	7,196	11,938	21,637	24,731	12,946	878	Oxfordshire.
Peterborough, Soke of ..	9,530	2,288	2,018	1,519	736	1,240	937	2,402	3,562	6,908	11,134	22,326	24,850	9,439	1,111	Peterborough, Soke of.
Rutlandshire	5,980	2,233	532	1,203	727	511	1,103	3,577	4,560	6,036	14,432	21,521	23,707	12,881	997	Rutlandshire.
Shropshire	6,820	2,058	1,650	1,200	626	1,003	1,391	3,681	4,918	6,351	13,253	22,586	24,859	8,762	842	Shropshire.
Somersetshire	6,610	1,223	1,215	1,284	741	1,109	1,303	2,978	3,950	7,644	12,574	21,673	26,239	10,652	805	Somersetshire.
Southampton	7,160	1,561	1,274	1,026	679	872	1,116	3,021	4,041	6,566	11,746	21,393	27,218	11,516	811	Southampton.
Staffordshire	10,390	2,964	2,419	1,461	850	1,266	1,327	3,326	4,801	7,415	13,622	21,862	21,909	5,972	416	Staffordshire.
Suffolk, East	8,130	1,698	1,243	1,139	743	915	1,538	3,661	3,758	5,714	12,790	19,869	26,584	11,582	636	Suffolk, East.
,, West	7,590	1,691	1,418	885	618	1,013	1,547	4,146	4,975	7,262	10,770	21,465	23,778	12,144	698	,, West.
Surrey	7,300	1,644	1,457	1,173	670	1,017	738	2,242	3,512	6,126	10,746	20,210	27,808	14,096	1,261	Surrey.
Sussex, East	6,460	1,216	1,260	966	639	766	950	2,493	3,542	6,709	12,164	21,771	26,477	13,410	1,177	Sussex, East.
,, West	6,180	1,364	1,595	1,066	606	720	1,111	2,354	3,760	6,664	9,900	21,849	28,749	13,006	1,076	,, West.
Warwickshire	8,200	2,359	2,218	1,362	726	945	1,111	3,012	4,091	7,018	12,070	21,463	24,440	10,229	756	Warwickshire.
Westmorland	6,180	1,022	1,045	1,283	504	761	711	3,490	3,638	7,095	14,816	23,320	26,642	8,507	986	Westmorland.
Wight, Isle of	6,650	1,206	1,193	982	633	900	1,232	3,247	4,534	6,941	12,076	20,116	27,007	12,412	871	Wight, Isle of.
Wiltshire	6,440	1,381	1,017	975	785	931	994	2,893	4,412	6,806	12,297	21,561	28,410	10,387	711	Wiltshire.
Worcestershire	8,810	2,852	1,753	1,178	902	1,045	1,065	2,733	4,094	6,723	12,235	20,743	24,664	10,273	930	Worcestershire.
Yorkshire, East Riding ..	8,940	1,506	1,430	1,429	635	1,094	1,358	3,185	4,312	6,116	13,213	18,542	25,225	11,685	1,330	Yorkshire, East Riding.
,, North ,, ..	9,500	3,285	2,365	1,980	863	1,110	1,442	3,613	4,792	7,034	12,425	20,637	22,552	7,783	619	,, North ,,
,, West ,, ..	10,580	3,284	2,616	1,547	918	1,114	1,430	3,345	4,619	7,406	14,362	22,788	20,854	4,917	220	,, West ,,
Anglesey	9,460	1,611	937	1,799	1,656	1,823	2,350	5,085	5,531	7,610	11,002	19,225	21,774	9,493	644	Anglesey.
Brecknockshire	9,970	2,690	1,604	1,411	853	1,587	2,144	4,129	6,292	7,041	12,974	19,639	20,883	7,035	1,748	Brecknockshire.
Cardiganshire	8,180	1,192	2,288	846	1,236	2,250	2,438	6,071	5,735	8,174	10,832	22,457	21,138	6,563	600	Cardiganshire.
Carmarthenshire	10,280	1,848	1,609	1,420	1,248	1,376	1,943	4,809	6,448	7,144	15,468	19,706	19,314	6,834	553	Carmarthenshire.
Carnarvonshire	10,810	2,387	1,967	1,682	1,130	1,729	1,744	4,113	5,333	6,854	12,963	19,872	22,300	6,633	483	Carnarvonshire.
Denbighshire	9,760	2,362	1,905	1,174	597	1,124	1,492	3,632	4,978	9,374	13,938	22,869	20,129	6,361	305	Denbighshire.
Flintshire	8,090	2,000	1,573	1,264	1,026	1,241	1,515	3,764	5,216	7,172	14,736	22,882	22,480	6,509	532	Flintshire.
Glamorganshire	11,350	2,895	2,454	1,266	802	1,292	1,564	4,051	5,360	8,092	14,404	20,966	18,631	6,151	722	Glamorganshire.
Merionethshire	9,510	2,231	1,203	1,433	548	1,441	2,273	6,515	6,644	7,341	12,603	20,056	20,349	7,549	304	Merionethshire.
Montgomeryshire	8,140	1,179	1,405	621	806	1,440	2,025	4,427	4,983	8,427	12,833	21,209	25,092	7,006	407	Montgomeryshire.
Pembrokeshire	8,350	1,347	1,432	1,721	886	1,456	1,223	4,040	5,248	7,328	14,649	23,174	21,175	7,621	350	Pembrokeshire.
Radnorshire	4,800	1,755	1,861	1,327	622	1,818	2,413	3,221	4,398	7,486	13,047	23,982	21,233	9,717	2,320	Radnorshire.

TABLE VI.—$l_x - l_{x+n}$: *Deaths in several Age periods per* 100,000 *born, according to the Mortality experience of the years* 1911–12. *Females—contd.*

Area.	Deaths at Age group :—														Area.
	0–	1–	2–	5–	10–	15–	20–	25–	35–	45–	55–	65–	75–	85–	95–	
Administrative Counties with Urban and Rural Aggregates containing more than 200,000 *population in each.*																*Administrative Counties with Urban and Rural Aggregates containing more than* 200,000 *population in each.*
DERBYSHIRE :																DERBYSHIRE :
Urban Districts	10,970	2,556	2,579	1,467	786	1,054	1,135	2,881	4,809	6,834	14,288	22,598	22,022	5,555	466	Urban Districts.
Rural Districts	9,540	2,330	1,741	1,265	691	1,168	1,231	3,290	4,016	7,494	12,236	23,007	24,117	7,483	391	Rural Districts.
DEVONSHIRE :																DEVONSHIRE :
Urban Districts	8,300	2,267	1,979	1,447	862	1,103	1,377	3,204	4,192	6,800	11,857	19,635	24,764	11,460	753	Urban Districts.
Rural Districts	6,870	1,226	1,170	1,243	993	1,194	1,343	3,514	4,732	6,439	12,643	22,027	24,976	10,681	949	Rural Districts.
DURHAM :																DURHAM :
Urban Districts	11,670	4,001	2,914	1,538	992	1,176	1,572	3,802	5,335	8,735	14,491	21,747	16,986	4,887	154	Urban Districts.
Rural Districts	12,210	3,268	2,725	1,469	923	1,336	1,397	3,784	5,026	7,553	13,571	22,029	19,312	5,150	247	Rural Districts.
ESSEX :																ESSEX :
Urban Districts	7,910	2,235	1,455	1,182	682	1,062	1,020	2,793	4,410	7,129	12,815	21,251	25,001	10,164	891	Urban Districts.
Rural Districts	7,080	1,436	1,394	829	585	1,171	1,366	3,082	4,517	6,018	11,337	19,919	28,108	12,350	808	Rural Districts.
KENT :																KENT :
Urban Districts	8,310	2,285	1,903	1,334	788	943	1,036	2,596	4,512	7,216	11,794	20,110	25,513	10,735	925	Urban Districts.
Rural Districts	7,590	1,680	1,234	950	784	888	1,495	3,162	4,038	6,477	10,610	19,993	25,778	13,442	1,879	Rural Districts.
LANCASHIRE :																LANCASHIRE :
Urban Districts	11,730	3,188	2,639	1,627	881	1,331	1,388	3,201	4,990	8,509	15,384	22,245	18,550	4,095	242	Urban Districts.
Rural Districts	8,840	2,157	1,798	1,399	906	1,125	1,423	3,129	4,516	6,985	13,756	22,980	22,933	7,663	390	Rural Districts.
SOUTHAMPTON :																SOUTHAMPTON :
Urban Districts	7,630	1,979	1,486	1,030	636	670	851	3,306	4,009	7,546	12,068	20,902	25,486	11,547	854	Urban Districts.
Rural Districts	6,690	1,174	1,078	1,025	713	1,057	1,441	2,737	4,064	5,748	11,535	21,816	28,611	11,524	787	Rural Districts.
STAFFORDSHIRE :																STAFFORDSHIRE :
Urban Districts	11,260	3,278	2,703	1,514	921	1,356	1,342	3,381	4,970	7,787	13,856	21,998	20,343	5,027	264	Urban Districts.
Rural Districts	7,960	2,106	1,652	1,334	655	1,084	1,237	3,174	4,410	6,569	13,238	21,778	25,686	8,275	842	Rural Districts.
SURREY :																SURREY :
Urban Districts	7,510	1,659	1,567	1,148	762	1,029	768	2,206	3,543	6,376	11,211	20,216	27,717	13,098	1,190	Urban Districts.
Rural Districts	6,880	1,617	1,236	1,215	492	995	664	2,316	3,449	5,641	9,698	20,125	27,784	16,471	1,417	Rural Districts.
YORKSHIRE, WEST RIDING :																YORKSHIRE, WEST RIDING :
Urban Districts	10,960	3,390	2,778	1,613	957	1,154	1,414	3,319	4,659	7,642	14,507	23,024	19,968	4,446	169	Urban Districts.
Rural Districts	9,540	2,985	2,155	1,345	789	943	1,475	3,418	4,432	6,460	13,680	21,603	24,062	6,679	434	Rural Districts.

GLAMORGANSHIRE :																GLAMORGANSHIRE :
Urban Districts	11,970	3,148	2,669	1,284	803	1,353	1,565	4,027	5,622	7,933	15,067	20,708	17,718	5,394	739	Urban Districts.
Rural Districts	9,560	2,139	1,853	1,212	792	1,135	1,570	4,105	4,688	8,559	13,057	21,796	20,946	7,858	730	Rural Districts.
County Boroughs with populations exceeding 100,000.																*County Boroughs with populations exceeding* 100,000.
BIRKENHEAD	10,950	4.180	2,935	1,886	1,127	1,019	998	2,922	5,774	8,880	13,890	20,493	18,155	6,099	692	BIRKENHEAD.
BIRMINGHAM	11,930	4,146	3,393	1,643	817	935	1,064	2,765	5,568	9,034	14,269	20,033	18,421	5,600	382	BIRMINGHAM.
BLACKBURN	14,310	3,272	2,657	1,552	638	1,301	1,350	3,726	4,998	7,997	15,894	22,237	16,044	3,888	136	BLACKBURN.
BOLTON	11,990	3,065	2,318	1,534	908	1,220	1,305	3,040	5,654	9,498	15,770	22,631	17,775	3,119	173	BOLTON.
BRADFORD	10,560	2,477	2,397	1,313	1,140	1,381	1,547	3,517	5,487	8,254	15,461	22,905	18,359	4,994	208	BRADFORD.
BRIGHTON	8,180	2,500	1,486	841	740	1,033	1,208	2,452	5,004	8,373	12,386	20,072	25,939	8,959	827	BRIGHTON.
BRISTOL	10,380	3,308	2,653	1,311	789	1,112	1,189	3,156	5,306	7,308	12,822	20,306	22,319	7,513	528	BRISTOL.
BURNLEY	15,650	4,314	2,998	1,452	802	1,386	1,391	2,902	5,457	9,023	15,115	22,199	14,578	2,588	145	BURNLEY.
COVENTRY	7,940	2,965	2,637	2,176	696	1,197	1,587	2,781	4,644	7,338	14,860	21,623	22,883	6,526	147	COVENTRY.
CROYDON	8,140	1,725	1,562	1,466	647	714	926	2,368	4,205	6,903	11,638	20,068	26,973	11,723	942	CROYDON.
DERBY	8,610	2,305	2,314	1,546	891	1,089	1,364	3,402	5,479	7,160	13,352	26,179	21,301	4,697	311	DERBY.
GATESHEAD	11,150	5,156	3,267	1,418	1,066	1,136	1,970	3,846	5,645	9,107	14,861	20,132	16,760	4,369	117	GATESHEAD.
HALIFAX	9,310	2,421	2,182	1,421	1,201	1,130	1,233	2,855	5,261	8,857	15,319	24,344	20,556	3,699	211	HALIFAX.
HUDDERSFIELD	10,570	3,030	2,365	1,206	842	1,095	1,465	2,558	5,831	8,886	16,097	23,134	18,573	4,232	116	HUDDERSFIELD.
KINGSTON UPON HULL	11,530	3,867	2,546	1,639	786	1,218	1,371	3,657	5,236	8,134	13,963	21,225	18,613	5,871	344	KINGSTON UPON HULL.
LEEDS	11,980	3,539	3,035	1,798	1,008	1,386	1,426	3,165	5,004	8,168	14,666	21,612	19,067	4,054	92	LEEDS.
LEICESTER	10,570	2,816	2,352	1,541	692	1,360	1,529	3,143	4,874	7,831	12,835	23,056	20,173	6,742	486	LEICESTER.
LIVERPOOL	12,860	5,610	4,063	1,765	1,164	1,275	1,334	3,801	6,488	10,180	15,567	18,937	13,528	3,218	210	LIVERPOOL.
MANCHESTER	12,440	4,267	3,278	1,733	934	1,331	1,401	3,279	5,897	9,818	15,362	21,017	15,121	3,841	281	MANCHESTER.
MIDDLESBROUGH	12,330	5,978	5,090	1,979	1,154	1,090	1,493	2,762	6,725	7,087	16,711	19,342	15,217	2,747	295	MIDDLESBROUGH.
NEWCASTLE UPON TYNE	10,600	3,749	3,254	1,835	1,040	1,309	1,394	3,727	5,180	9,255	16,041	20,863	16,765	4,707	281	NEWCASTLE UPON TYNE.
NORWICH	10,050	2,428	2,718	1,566	700	1,194	1,730	2,556	3,825	6,603	9,500	20,348	25,364	10,365	1,053	NORWICH.
NOTTINGHAM	13,020	3,493	3,001	1,190	597	1,077	1,262	3,232	4,769	8,402	12,840	20,997	20,294	5,623	203	NOTTINGHAM.
OLDHAM	11,980	4,081	3,102	1,668	1,041	1,548	1,678	4,009	5,364	10,456	16,644	21,403	13,684	3,289	53	OLDHAM.
PLYMOUTH	11,630	3,340	2,182	1,822	761	1,575	1,556	3,699	5,099	7,975	12,713	18,776	20,938	7,023	911	PLYMOUTH.
PORTSMOUTH	9,230	2,413	2,646	2,539	1,074	1,282	1,340	2,759	4,988	7,595	12,416	20,751	23,310	7,168	489	PORTSMOUTH.
PRESTON	13,440	3,066	3,748	2,433	1,267	1,379	1,361	3,109	5,706	7,596	16,781	21,693	15,434	2,812	175	PRESTON.
SALFORD	12,450	4,808	3,482	1,657	944	1,230	1,189	3,510	5,991	8,969	16,156	21,009	15,482	2,912	211	SALFORD.
SHEFFIELD	10,580	4,280	3,308	1,497	786	1,011	1,261	3,100	5,015	8,507	14,185	21,112	20,232	4,783	343	SHEFFIELD.
SOUTHAMPTON	9,530	2,948	1,568	1,737	861	909	887	3,099	5,470	8,565	11,930	21,498	20,474	9,683	841	SOUTHAMPTON.
SOUTH SHIELDS	11,180	4,313	2,802	1,456	934	1,451	1,660	4,881	6,680	8,486	14,808	22,657	14,694	3,669	329	SOUTH SHIELDS.
STOCKPORT	12,760	3,292	2,604	1,289	959	1,028	1,034	3,356	5,818	8,433	16,063	21,437	17,961	3,602	364	STOCKPORT.
STOKE ON TRENT	14,650	3,506	3,284	1,544	1,252	1,096	1,367	3,845	6,703	9,826	15,077	20,121	14,127	3,229	373	STOKE ON TRENT.
SUNDERLAND	12,170	4,327	3,312	1,804	1,130	1,076	1,131	3,584	6,000	8,844	14,854	19,625	17,625	4,203	315	SUNDERLAND.
WEST HAM	11,000	4,474	2,919	1,439	815	869	1,140	3,162	5,357	9,161	13,896	20,694	18,774	6,150	150	WEST HAM.
CARDIFF	11,500	2,739	2,651	1,633	980	1,059	1,631	3,923	5,696	7,989	14,623	20,356	16,980	7,783	457	CARDIFF.
SWANSEA	10,860	4,029	3,210	1,957	751	1,427	1,545	4,035	5,908	8,707	14,608	19,441	15,842	6,907	773	SWANSEA.
Rural Districts in Norfolk and Suffolk	7,670	1,427	1,188	885	656	1,061	1,646	3,903	4,144	5,532	11,104	19,580	27,519	12,839	846	Rural Districts in Norfolk and Suffolk.

TABLE VII.—$\mathring{e}_x$: *Expectations of Life at several Ages, according to the Mortality experience of the years* 1911–12. *Males.*

Area	Expectations of Life at Age :— 0	1	2	5	10	15	20	25	35	45	55	65	75	85	Area
SUMMARY.															SUMMARY.
All Areas — North	47·95	54·62	56·09	55·03	51·09	46·64	42·42	38·25	30·04	22·35	15·51	9·92	5·79	3·41	North.
All Areas — Midlands	53·30	59·41	60·18	58·63	54·51	49·94	45·56	41·34	32·95	24·94	17·61	11·34	6·54	3·53	Midlands.
All Areas — South (including London)	52·87	58·27	59·09	57·51	53·41	48·86	44·46	40·20	31·92	24·27	17·33	11·39	6·72	3·71	South (including London).
All Areas — ,, (excluding London)	55·89	60·87	61·19	59·34	55·18	50·59	46·19	41·93	33·59	25·66	18·31	11·90	6·98	3·73	,, (excluding London).
All Areas — Wales	50·94	57·73	58·68	57·20	53·11	48·60	44·37	40·20	31·90	24·05	16·87	10·90	6·43	3·89	Wales.
All Areas — England and Wales	51·14	57·35	58·40	57·02	52·96	48·44	44·11	39·89	31·60	23·82	16·79	10·89	6·38	3·58	England and Wales.
London	49·48	55·22	56·58	55·30	51·25	46·77	42·38	38·11	29·87	22·48	15·97	10·55	6·21	3·64	London.
County Boroughs — North	45·77	52·49	54·25	53·40	49·52	45·08	40·85	36·69	28·60	21·17	14·67	9·44	5·60	3·44	North.
County Boroughs — Midlands	48·97	55·91	57·27	56·17	52·16	47·62	43·30	39·10	30·85	23·14	16·23	10·43	6·02	3·32	Midlands.
County Boroughs — South	52·76	58·32	59·01	57·43	53·42	48·84	44·41	40·11	31·86	24·37	17·39	11·35	6·84	3·83	South.
County Boroughs — Wales	48·79	55·28	56·49	55·34	51·27	46·75	42·55	38·39	30·31	22·71	16·02	10·52	6·23	3·65	Wales.
County Boroughs — England and Wales	47·53	54·21	55·73	54·72	50·78	46·30	42·03	37·85	29·69	22·17	15·51	10·05	5·97	3·48	England and Wales.
Other Urban Districts — North	49·07	55·70	57·02	55·83	51·84	47·39	43·21	39·04	30·72	22·74	15·67	9·89	5·70	3·32	North.
Other Urban Districts — Midlands	53·87	59·86	60·54	58·93	54·80	50·20	45·83	41·58	33·07	24·98	17·58	11·34	6·66	3·71	Midlands.
Other Urban Districts — South	55·22	60·35	60·68	58·88	54·74	50·16	45·79	41·53	33·18	25·23	17·94	11·65	6·93	3·77	South.
Other Urban Districts — Wales	49·81	57·04	58·26	56·91	52·85	48·35	44·08	39·85	31·42	23·48	16·33	10·48	6·25	3·69	Wales.
Other Urban Districts — England and Wales	51·92	58·17	59·09	57·62	53·55	49·02	44·72	40·49	32·09	24·08	16·86	10·84	6·39	3·64	England and Wales.
Rural Districts — North	53·29	59·77	60·56	59·03	54·93	50·44	46·13	41·91	33·54	25·49	17·80	11·23	6·23	3·34	North.
Rural Districts — Midlands	57·31	62·44	62·63	60·64	56·40	51·84	47·41	43·19	34·79	26·51	18·76	11·97	6·73	3·50	Midlands.
Rural Districts — South	58·61	63·00	63·05	60·97	56·69	52·09	47·66	43·41	35·02	26·80	19·13	12·39	7·07	3·67	South.
Rural Districts — Wales	53·99	60·16	60·46	58·54	54·42	49·89	45·67	41·62	33·38	25·49	17·93	11·54	6·63	4·08	Wales.
Rural Districts — England and Wales	56·30	61·74	62·06	60·16	55·96	51·40	47·02	42·82	34·44	26·28	18·58	11·89	6·73	3·57	England and Wales.
Administrative Counties.															*Administrative Counties.*
BEDFORDSHIRE	*(29)* 56·01	*(24)* 61·58	*(23)* 61·96	*(26)* 59·85	*(27)* 55·63	*(25)* 51·06	*(27)* 46·56	*(29)* 42·27	*(30)* 33·91	*(32)* 25·82	*(29)* 18·27	*(30)* 11·70	*(41)* 6·54	*(29)* 3·69	BEDFORDSHIRE.
BERKSHIRE	*(7)* 58·25	*(15)* 62·32	*(13)* 62·50	*(13)* 60·47	*(19)* 56·02	*(19)* 51·40	*(20)* 46·97	*(16)* 42·73	*(17)* 34·52	*(14)* 26·34	*(9)* 18·89	*(10)* 12·22	*(11)* 7·09	*(5)* 4·20	BERKSHIRE.
BUCKINGHAMSHIRE	*(17)* 57·45	*(17)* 62·11	*(17)* 62·22	*(18)* 60·24	*(20)* 56·01	*(18)* 51·41	*(19)* 46·99	*(20)* 42·69	*(20)* 34·29	*(26)* 25·96	*(29)* 18·27	*(32)* 11·61	*(26)* 6·73	*(23)* 3·75	BUCKINGHAMSHIRE.
CAMBRIDGESHIRE	*(31)* 55·60	*(40)* 60·12	*(40)* 60·62	*(40)* 59·01	*(35)* 55·30	*(34)* 50·75	*(33)* 46·37	*(31)* 42·21	*(27)* 33·97	*(28)* 25·93	*(24)* 18·43	*(28)* 11·74	*(35)* 6·62	*(59)* 3·04	CAMBRIDGESHIRE.

Cheshire	(53) 51·80	(51) 57·98	(53) 58·75	(52) 57·17	(52) 53·09	(52) 48·64	(53) 44·31	(54) 40·07	(58) 31·63	(58) 23·66	(58) 16·42	(60) 10·34	(60) 5·80	(36) 3·58	Cheshire.
Cornwall	(45) 52·78	(46) 58·78	(48) 59·16	(51) 57·18	(51) 53·13	(51) 48·74	(50) 44·59	(49) 40·56	(49) 32·47	(46) 24·76	(43) 17·61	(40) 11·32	(22) 6·80	(31) 3·66	Cornwall.
Cumberland	(56) 50·99	(58) 57·26	(57) 58·00	(57) 56·67	(57) 52·56	(57) 48·13	(57) 43·71	(58) 39·59	(59) 31·40	(56) 23·83	(56) 16·54	(55) 10·62	(52) 6·06	(57) 3·14	Cumberland.
Derbyshire	(43) 52·94	(42) 59·71	(42) 60·52	(39) 59·02	(39) 54·98	(39) 50·46	(37) 46·12	(40) 41·69	(41) 33·02	(47) 24·74	(50) 17·04	(53) 10·71	(54) 6·00	(54) 3·21	Derbyshire.
Devonshire	(30) 55·90	(36) 60·74	(38) 60·92	(38) 59·16	(38) 55·03	(38) 50·48	(37) 46·12	(36) 41·96	(26) 34·00	(23) 26·00	(20) 18·63	(12) 12·17	(8) 7·22	(19) 3·81	Devonshire.
Dorsetshire	(4) 58·48	(9) 62·74	(9) 62·77	(9) 60·81	(8) 56·70	(8) 52·15	(9) 47·58	(12) 43·06	(12) 34·59	(15) 26·33	(17) 18·71	(15) 12·08	(24) 6·78	(45) 3·41	Dorsetshire.
Durham	(61) 49·19	(60) 56·53	(56) 58·09	(54) 57·01	(53) 53·06	(53) 48·59	(52) 44·45	(52) 40·26	(53) 31·94	(55) 23·90	(54) 16·65	(58) 10·38	(56) 5·99	(55) 3·16	Durham.
Ely, Isle of	(36) 54·76	(28) 61·31	(18) 62·20	(12) 60·52	(15) 56·13	(12) 51·66	(14) 47·14	(11) 43·07	(7) 35·22	(5) 26·99	(4) 19·27	(6) 12·40	(6) 7·35	(53) 3·22	Ely, Isle of.
Essex	(28) 56·08	(29) 61·25	(28) 61·58	(29) 59·73	(29) 55·56	(28) 50·96	(25) 46·65	(23) 42·49	(25) 34·01	(26) 25·96	(25) 18·42	(16) 12·06	(13) 7·04	(16) 3·88	Essex.
Gloucestershire	(25) 56·33	(31) 61·12	(35) 61·28	(37) 59·25	(40) 54·93	(40) 50·40	(40) 45·94	(39) 41·75	(38) 33·44	(39) 25·26	(37) 17·80	(41) 11·27	(36) 6·60	(43) 3·47	Gloucestershire.
Herefordshire	(20) 57·10	(25) 61·56	(25) 61·83	(32) 59·65	(34) 55·32	(35) 50·64	(36) 46·13	(35) 42·02	(36) 33·46	(36) 25·38	(39) 17·75	(45) 11·10	(40) 6·55	(29) 3·69	Herefordshire.
Hertfordshire	(10) 58·12	(12) 62·60	(11) 62·63	(14) 60·44	(15) 56·13	(15) 51·49	(15) 47·11	(17) 42·71	(24) 34·10	(22) 26·02	(27) 18·35	(34) 11·54	(39) 6·56	(31) 3·66	Hertfordshire.
Huntingdonshire	(3) 58·66	(5) 63·11	(1) 63·56	(1) 61·66	(1) 57·30	(1) 52·67	(1) 48·19	(1) 44·14	(4) 35·46	(6) 26·86	(8) 19·02	(19) 11·98	(37) 6·59	(38) 3·52	Huntingdonshire.
Kent	(32) 55·46	(34) 60·85	(36) 61·26	(34) 59·55	(33) 55·39	(33) 50·83	(31) 46·41	(32) 42·18	(32) 33·84	(30) 25·85	(23) 18·45	(18) 12·00	(17) 6·95	(25) 3·74	Kent.
Lancashire	(62) 48·94	(61) 55·61	(61) 56·71	(61) 55·51	(61) 51·50	(61) 47·05	(61) 42·83	(61) 38·69	(61) 30·37	(62) 22·47	(62) 15·44	(62) 9·83	(62) 5·70	(46) 3·37	Lancashire.
Leicestershire	(33) 55·41	(32) 61·02	(32) 61·41	(33) 59·56	(32) 55·43	(31) 50·88	(26) 46·59	(28) 42·29	(31) 33·90	(33) 25·68	(33) 18·19	(35) 11·53	(46) 6·43	(39) 3·50	Leicestershire.
Lincolnshire: Holland ..	(35) 55·22	(22) 61·71	(19) 62·15	(21) 60·03	(17) 56·09	(13) 51·52	(18) 47·03	(19) 42·70	(14) 34·56	(11) 26·44	(10) 18·88	(14) 12·09	(14) 7·03	(14) 3·89	Lincolnshire: Holland.
,, Kesteven ..	(16) 57·55	(11) 62·65	(12) 62·59	(11) 60·66	(11) 56·30	(10) 51·92	(8) 47·66	(10) 43·16	(9) 34·68	(8) 26·77	(17) 18·71	(16) 12·06	(19) 6·92	(9) 4·01	,, Kesteven.

TABLE VII.—$\mathring{e}_s$: *Expectations of Life at several Ages, according to the Mortality experience of the years* 1911–12. *Males—contd.*

Area.	Expectations of Life at Age :—													Area.
	0	1	2	5	10	15	20	25	35	45	55	65	75	85	
Administrative Counties (continued).															*Administrative Counties (cont.).*
LINCOLNSHIRE: LINDSEY ..	(22) 56·97	(8) 62·88	(7) 63·10	(6) 61·16	(5) 56·97	(5) 52·44	(2) 48·09	(2) 43·94	(2) 35·62	(4) 27·04	(5) 19·23	(3) 12·59	(9) 7·13	(34) 3·62	LINCOLNSHIRE: LINDSEY.
LONDON	(60) 49·48	(62) 55·22	(62) 56·58	(62) 55·30	(62) 51·25	(62) 46·77	(62) 42·38	(62) 38·11	(62) 29·87	(61) 22·48	(61) 15·97	(56) 10·55	(49) 6·21	(33) 3·64	LONDON.
MIDDLESEX	(34) 55·30	(33) 60·95	(31) 61·53	(29) 59·73	(28) 55·59	(29) 50·95	(29) 46·49	(33) 42·14	(35) 33·56	(37) 25·34	(35) 17·90	(26) 11·76	(16) 6·99	(27) 3·70	MIDDLESEX.
MONMOUTHSHIRE	(57) 50·88	(52) 57·97	(46) 59·38	(46) 57·98	(47) 53·83	(47) 49·29	(48) 44·92	(48) 40·66	(51) 32·11	(53) 24·16	(52) 16·93	(47) 10·95	(27) 6·70	(6) 4·11	MONMOUTHSHIRE.
NORFOLK	(13) 58·04	(2) 63·38	(5) 63·39	(5) 61·25	(7) 56·86	(7) 52·29	(6) 47·83	(6) 43·66	(5) 35·43	(3) 27·10	(6) 19·19	(9) 12·35	(18) 6·93	(48) 3·36	NORFOLK.
NORTHAMPTONSHIRE	(26) 56·19	(27) 61·38	(27) 61·62	(27) 59·80	(24) 55·79	(21) 51·32	(21) 46·94	(15) 42·82	(18) 34·40	(20) 26·08	(26) 18·37	(24) 11·83	(33) 6·63	(56) 3·15	NORTHAMPTONSHIRE.
NORTHUMBERLAND	(48) 52·38	(48) 58·72	(45) 59·64	(45) 58·02	(46) 53·88	(46) 49·46	(45) 45·35	(44) 41·11	(43) 32·92	(50) 24·67	(49) 17·15	(50) 10·85	(53) 6·02	(41) 3·49	NORTHUMBERLAND.
NOTTINGHAMSHIRE	(39) 54·17	(35) 60·82	(29) 61·57	(17) 60·27	(18) 56·08	(16) 51·48	(16) 47·09	(14) 42·84	(21) 34·26	(24) 25·99	(28) 18·32	(37) 11·52	(38) 6·58	(39) 3·50	NOTTINGHAMSHIRE.
OXFORDSHIRE	(10) 58·12	(10) 62·71	(10) 62·75	(8) 60·85	(9) 56·56	(9) 52·04	(10) 47·57	(8) 43·33	(9) 34·68	(10) 26·47	(12) 18·83	(19) 11·98	(29) 6·68	(13) 3·90	OXFORDSHIRE.
PETERBOROUGH, SOKE OF ..	(38) 54·41	(38) 60·39	(34) 61·29	(24) 59·94	(14) 56·14	(20) 51·39	(12) 47·27	(17) 42·71	(28) 33·95	(20) 26·08	(19) 18·64	(25) 11·78	(31) 6·65	(62) 2·89	PETERBOROUGH, SOKE OF.
RUTLANDSHIRE	(1) 59·97	(1) 63·66	(2) 63·47	(7) 61·08	(6) 56·90	(2) 52·53	(7) 47·82	(7) 43·42	(6) 35·34	(9) 26·56	(15) 18·80	(8) 12·36	(2) 7·51	(1) 5·48	RUTLANDSHIRE.
SHROPSHIRE	(27) 56·16	(30) 61·19	(32) 61·41	(36) 59·43	(36) 55·17	(36) 50·57	(39) 46·11	(38) 41·77	(39) 33·36	(40) 25·19	(38) 17·76	(38) 11·48	(31) 6·65	(14) 3·89	SHROPSHIRE.
SOMERSETSHIRE	(18) 57·25	(20) 61·75	(26) 61·74	(35) 59·51	(37) 55·07	(37) 50·49	(35) 46·14	(37) 41·90	(36) 33·46	(37) 25·34	(39) 17·75	(33) 11·58	(28) 6·69	(35) 3·59	SOMERSETSHIRE.
SOUTHAMPTON	(21) 57·07	(20) 61·75	(24) 61·93	(23) 59·97	(25) 55·77	(23) 51·23	(23) 46·73	(26) 42·43	(23) 34·15	(16) 26·28	(11) 18·84	(11) 12·20	(10) 7·11	(44) 3·46	SOUTHAMPTON.

Staffordshire	(55) 51·01	(53) 57·76	(50) 58·89	(48) 57·62	(48) 53·57	(49) 48·98	(49) 44·64	(50) 40·39	(52) 32·08	(52) 24·18	(51) 17·02	(51) 10·82	(50) 6·17	(26) 3·71	Staffordshire.
Suffolk, East	(6) 58·28	(3) 63·29	(3) 63·43	(3) 61·40	(4) 56·99	(6) 52·30	(4) 47·94	(4) 43·72	(3) 35·54	(2) 27·29	(2) 19·54	(3) 12·59	(14) 7·03	(23) 3·75	Suffolk, East.
„ West	(15) 57·58	(18) 62·07	(22) 62·06	(24) 59·94	(30) 55·49	(30) 50·92	(30) 46·46	(24) 42·46	(22) 34·17	(18) 26·27	(14) 18·82	(6) 12·40	(2) 7·51	(46) 3·37	„ West.
Surrey	(5) 58·42	(6) 63·07	(6) 63·27	(4) 61·33	(2) 57·17	(4) 52·46	(3) 48·06	(4) 43·72	(8) 34·99	(7) 26·79	(7) 19·17	(2) 12·64	(4) 7·46	(10) 3·95	Surrey.
Sussex, East	(2) 59·15	(7) 62·91	(8) 62·84	(10) 60·70	(10) 56·35	(11) 51·67	(11) 47·49	(9) 43·17	(11) 34·62	(12) 26·41	(12) 18·83	(22) 11·95	(21) 6·89	(37) 3·55	Sussex, East.
„ West	(14) 57·75	(16) 62·27	(15) 62·38	(15) 60·40	(12) 56·23	(16) 51·48	(13) 47·16	(13) 42·95	(14) 34·56	(12) 26·41	(3) 19·31	(5) 12·47	(1) 7·56	(20) 3·78	„ West.
Warwickshire	(37) 54·59	(37) 60·63	(37) 61·22	(31) 59·67	(31) 55·48	(31) 50·88	(32) 46·40	(30) 42·22	(33) 33·64	(34) 25·56	(34) 18·13	(35) 11·53	(42) 6·53	(11) 3·92	Warwickshire.
Westmorland	(23) 56·84	(26) 61·46	(30) 61·54	(28) 59·78	(26) 55·70	(26) 51·05	(34) 46·33	(27) 42·31	(29) 33·92	(31) 25·83	(36) 17·89	(42) 11·26	(25) 6·75	(60) 2·97	Westmorland.
Wight, Isle of	(12) 58·05	(23) 61·62	(21) 62·10	(19) 60·22	(21) 55·88	(24) 51·08	(28) 46·54	(34) 42·04	(33) 33·64	(29) 25·88	(21) 18·47	(13) 12·16	(12) 7·05	(11) 3·92	Wight, Isle of.
Wiltshire	(8) 58·16	(13) 62·47	(14) 62·45	(16) 60·34	(13) 56·17	(13) 51·52	(17) 47·07	(21) 42·68	(19) 34·32	(25) 25·98	(29) 18·27	(27) 11·75	(43) 6·52	(21) 3·76	Wiltshire.
Worcestershire	(40) 54·16	(41) 59·77	(41) 60·58	(41) 58·96	(41) 54·84	(41) 50·25	(41) 45·85	(41) 41·59	(40) 33·03	(45) 24·80	(44) 17·51	(43) 11·24	(47) 6·42	(50) 3·28	Worcestershire.
Yorkshire, East Riding ..	(24) 56·71	(19) 61·94	(20) 62·12	(20) 60·08	(22) 55·87	(22) 51·26	(22) 46·92	(22) 42·65	(16) 34·53	(19) 26·25	(22) 18·46	(23) 11·85	(44) 6·51	(58) 3·11	Yorkshire, East Riding.
„ North „ ..	(51) 51·89	(55) 57·74	(49) 59·03	(47) 57·87	(45) 54·00	(45) 49·50	(44) 45·39	(43) 41·16	(42) 32·98	(41) 25·09	(41) 17·71	(44) 11·16	(48) 6·31	(27) 3·70	„ North „
„ West „ ..	(59) 50·07	(59) 56·62	(58) 57·95	(56) 56·70	(55) 52·70	(54) 48·22	(55) 44·04	(56) 39·84	(59) 31·40	(60) 23·33	(59) 16·04	(61) 10·10	(61) 5·73	(52) 3·25	„ West „
Anglesey	(42) 53·15	(39) 60·22	(39) 60·63	(42) 58·50	(43) 54·25	(44) 49·68	(46) 45·19	(46) 41·03	(43) 32·92	(42) 24·98	(44) 17·51	(39) 11·38	(30) 6·66	(4) 4·51	Anglesey.
Brecknockshire	(52) 51·86	(44) 59·21	(44) 59·93	(44) 58·21	(44) 54·20	(43) 49·72	(42) 45·59	(45) 41·08	(48) 32·55	(47) 24·74	(42) 17·70	(28) 11·74	(5) 7·38	(2) 5·34	Brecknockshire.
Cardiganshire	(54) 51·44	(50) 58·05	(59) 57·93	(60) 55·57	(60) 51·57	(59) 47·15	(60) 42·88	(60) 39·16	(50) 32·41	(43) 24·88	(46) 17·49	(46) 11·07	(22) 6·80	(17) 3·85	Cardiganshire.
Carmarthenshire	(49) 52·19	(47) 58·76	(47) 59·23	(50) 57·36	(49) 53·53	(48) 49·15	(47) 45·06	(47) 40·91	(45) 32·78	(44) 24·81	(47) 17·36	(48) 10·91	(51) 6·15	(21) 3·76	Carmarthenshire.

TABLE VII.—$\mathring{e}_x$: *Expectations of Life at several Ages, according to the Mortality experience of the years* 1911–12. *Males—contd.*

Area.	Expectations of Life at Age :—													Area.
	0	1	2	5	10	15	20	25	35	45	55	65	75	85	
Administrative Counties (continued).															*Administrative Counties (continued).*
CARNARVONSHIRE	(50) 52·02	(56) 57·70	(55) 58·14	(58) 56·47	(58) 52·35	(58) 48·06	(56) 44·00	(55) 39·97	(54) 31·92	(51) 24·22	(53) 16·85	(49) 10·90	(45) 6·48	(7) 4·10	CARNARVONSHIRE.
DENBIGHSHIRE	(46) 52·66	(42) 59·71	(43) 60·21	(43) 58·46	(42) 54·56	(42) 49·90	(43) 45·55	(42) 41·34	(46) 32·70	(49) 24·70	(48) 17·19	(54) 10·63	(57) 5·98	(49) 3·31	DENBIGHSHIRE.
FLINTSHIRE	(44) 52·79	(49) 58·13	(54) 58·71	(53) 57·06	(56) 52·62	(56) 48·15	(57) 43·71	(57) 39·69	(57) 31·69	(54) 23·95	(57) 16·44	(57) 10·42	(57) 5·98	(41) 3·49	FLINTSHIRE.
GLAMORGANSHIRE	(58) 50·37	(54) 57·75	(51) 58·86	(49) 57·48	(50) 53·39	(50) 48·90	(51) 44·58	(50) 40·39	(55) 31·83	(56) 23·83	(55) 16·61	(52) 10·77	(33) 6·63	(18) 3·83	GLAMORGANSHIRE.
MERIONETHSHIRE	(47) 52·40	(57) 57·52	(60) 57·38	(59) 55·87	(59) 51·92	(60) 47·14	(59) 43·15	(59) 39·44	(56) 31·73	(59) 23·41	(60) 16·03	(59) 10·35	(59) 5·92	(61) 2·90	MERIONETHSHIRE.
MONTGOMERYSHIRE	(18) 57·25	(14) 62·38	(16) 62·25	(22) 59·98	(23) 55·83	(27) 51·02	(24) 46·68	(25) 42·45	(13) 34·57	(16) 26·28	(16) 18·72	(31) 11·69	(54) 6·00	(8) 4·04	MONTGOMERYSHIRE.
PEMBROKESHIRE	(41) 53·88	(45) 58·79	(52) 58·81	(55) 56·96	(54) 52·81	(55) 48·20	(54) 44·28	(53) 40·12	(47) 32·58	(35) 25·47	(29) 18·27	(21) 11·96	(20) 6·90	(3) 4·60	PEMBROKESHIRE.
RADNORSHIRE	(9) 58·14	(4) 63·16	(4) 63·41	(2) 61·43	(3) 57·14	(3) 52·50	(5) 47·85	(3) 43·74	(1) 36·13	(1) 28·46	(1) 19·72	(1) 13·08	(7) 7·26	(51) 3·26	RADNORSHIRE.
Administrative Counties with Urban and Rural Aggregates containing more than 200,000 population in each.															*Administrative Counties with Urban and Rural Aggregates containing more than 200,000 population in each.*
DERBYSHIRE :															DERBYSHIRE :
Urban Districts	52·27	59·26	60·20	58·75	54·70	50·15	45·92	41·51	32·69	24·44	16·78	10·41	5·84	3·25	Urban Districts.
Rural Districts	53·59	60·12	60·80	59·25	55·21	50·73	46·30	41·87	33·35	25·05	17·29	10·99	6·13	3·18	Rural Districts.
DEVONSHIRE :															DEVONSHIRE :
Urban Districts	53·87	58·53	59·02	57·52	53·47	48·90	44·73	40·59	32·82	25·23	18·11	11·94	7·35	3·92	Urban Districts.
Rural Districts	57·90	62·91	62·78	60·78	56·56	52·05	47·54	43·37	35·22	26·80	19·21	12·50	7·11	3·73	Rural Districts.
DURHAM :															DURHAM :
Urban Districts	48·38	55·16	56·83	55·91	51·96	47·51	43·34	39·17	30·94	22·99	15·93	9·91	5·82	3·30	Urban Districts.
Rural Districts	50·33	58·43	59·85	58·57	54·59	50·10	46·01	41·82	33·36	25·17	17·66	11·01	6·17	3·03	Rural Districts.

ESSEX :														ESSEX :
Urban Districts	55·23	60·55	60·98	59·21	55·11	50·52	46·27	42·08	33·58	25·51	18·07	11·93	7·14	4·19	Urban Districts.
Rural Districts	58·59	63·18	63·14	61·01	56·58	51·95	47·52	43·46	35·05	27·06	19·20	12·32	6·94	3·58	Rural Districts.
KENT :															KENT :
Urban Districts	54·31	59·70	60·16	58·52	54·42	49·87	45·46	41·21	32·87	24·87	17·57	11·37	6·52	3·35	Urban Districts.
Rural Districts	57·88	63·22	63·53	61·64	57·32	52·76	48·29	44·12	35·73	27·74	20·08	13·08	7·67	4·37	Rural Districts.
LANCASHIRE :															LANCASHIRE :
Urban Districts	48·16	54·95	56·16	54·99	50·98	46·54	42·34	38·23	29·91	22·01	15·07	9·54	5·51	3·38	Urban Districts.
Rural Districts	54·08	59·72	60·09	58·71	54·64	50·22	45·76	41·43	33·11	25·10	17·41	11·15	6·44	3·34	Rural Districts.
SOUTHAMPTON :															SOUTHAMPTON :
Urban Districts	55·00	60·13	60·42	58·79	54·74	50·18	45·75	41·50	33·21	25·60	18·52	12·03	7·09	3·69	Urban Districts.
Rural Districts	59·04	63·22	63·29	61·00	56·66	52·14	47·56	43·20	34·91	26·78	19·05	12·31	7·12	3·36	Rural Districts.
STAFFORDSHIRE :															STAFFORDSHIRE :
Urban Districts	49·47	56·47	57·85	56·77	52·79	48·19	43·86	39·56	31·25	23·46	16·37	10·38	5·93	3·73	Urban Districts.
Rural Districts	55·05	60·96	61·37	59·57	55·33	50·77	46·41	42·24	33·94	25·73	18·39	11·69	6·58	3·68	Rural Districts.
SURREY :															SURREY :
Urban Districts	57·88	62·83	63·06	61·03	56·78	52·11	47·69	43·33	34·59	26·44	18·83	12·45	7·56	4·32	Urban Districts.
Rural Districts	59·47	63·54	63·66	61·92	57·90	53·14	48·79	44·50	35·77	27·47	19·82	12·99	7·30	3·36	Rural Districts.
YORKSHIRE, WEST RIDING :															YORKSHIRE, WEST RIDING :
Urban Districts	49·36	55·97	57·35	56·18	52·24	47·78	43·60	39·37	30·90	22·76	15·59	9·77	5·59	3·21	Urban Districts.
Rural Districts	52·28	58·69	59·85	58·38	54·21	49·70	45·49	41·38	33·08	25·24	17·49	11·07	6·04	3·32	Rural Districts.
GLAMORGANSHIRE :															GLAMORGANSHIRE :
Urban Districts	49·32	56·99	58·30	57·02	52·94	48·48	44·19	39·97	31·42	23·39	16·23	10·36	6·31	3·48	Urban Districts.
Rural Districts	53·19	59·66	60·17	58·48	54·37	49·81	45·45	41·37	32·73	24·83	17·40	11·54	7·13	4·31	Rural Districts.
County Boroughs with populations exceeding 100,000.															*County Boroughs with populations exceeding* 100,000.
	(*19*)	(*27*)	(*26*)	(*27*)	(*25*)	(*27*)	(*27*)	(*26*)	(*26*)	(*24*)	(*18*)	(*16*)	(*21*)	(*6*)	
BIRKENHEAD	47·62	53·31	54·96	53·90	50·10	45·62	41·27	37·05	29·07	21·57	15·22	10·07	5·77	4·12	BIRKENHEAD.
	(*20*)	(*18*)	(*11*)	(*10*)	(*10*)	(*10*)	(*10*)	(*12*)	(*12*)	(*14*)	(*14*)	(*14*)	(*13*)	(*17*)	
BIRMINGHAM	47·33	54·72	56·45	55·64	51·68	47·06	42·61	38·33	30·11	22·55	15·74	10·28	5·90	3·48	BIRMINGHAM.
	(*27*)	(*19*)	(*14*)	(*17*)	(*17*)	(*16*)	(*14*)	(*16*)	(*17*)	(*19*)	(*20*)	(*21*)	(*21*)	(*29*)	
BLACKBURN	46·43	54·66	56·19	54·83	50·87	46·32	42·24	37·93	29·57	21·97	15·08	9·55	5·77	3·02	BLACKBURN.
	(*22*)	(*24*)	(*28*)	(*29*)	(*29*)	(*29*)	(*29*)	(*29*)	(*29*)	(*32*)	(*32*)	(*34*)	(*18*)	(*2*)	
BOLTON	47·05	53·61	54·68	53·37	49·40	45·05	40·84	36·68	28·32	20·55	14·16	8·79	5·81	5·08	BOLTON.
	(*13*)	(*14*)	(*18*)	(*22*)	(*21*)	(*20*)	(*21*)	(*22*)	(*25*)	(*23*)	(*23*)	(*24*)	(*31*)	(*20*)	
BRADFORD	48·84	55·13	56·01	54·48	50·54	46·11	41·74	37·44	29·22	21·60	14·89	9·48	5·46	3·36	BRADFORD.
	(*2*)	(*3*)	(*4*)	(*5*)	(*5*)	(*6*)	(*6*)	(*6*)	(*6*)	(*4*)	(*3*)	(*3*)	(*3*)	(*10*)	
BRIGHTON	54·10	58·58	59·17	57·25	53·11	48·44	43·91	39·53	31·44	24·09	17·01	11·21	6·63	3·94	BRIGHTON.

TABLE VII.—$\mathring{e}_x$: *Expectations of Life at several Ages, according to the Mortality experience of the years* 1911–12. *Males—contd.*

Area	Expectations of Life at Age :—														Area
	0	1	2	5	10	15	20	25	35	45	55	65	75	85	
County Boroughs with populations exceeding 100,000 (*continued*).															*County Boroughs with populations exceeding* 100,000 (*continued*).
BRISTOL	(11) 49·70	(8) 56·62	(7) 57·51	(7) 56·32	(8) 52·29	(8) 47·75	(8) 43·36	(7) 39·30	(7) 31·11	(6) 23·40	(9) 16·32	(12) 10·33	(12) 5·98	(24) 3·16	BRISTOL.
BURNLEY	(32) 44·37	(21) 54·26	(16) 56·10	(14) 55·00	(14) 50·95	(11) 46·70	(15) 42·22	(15) 37·97	(20) 29·45	(26) 21·27	(31) 14·25	(37) 8·51	(35) 5·13	(14) 3·57	BURNLEY.
COVENTRY	(4) 51·79	(6) 56·74	(6) 57·93	(6) 57·14	(4) 53·67	(4) 49·07	(4) 44·79	(4) 40·24	(5) 31·53	(7) 23·29	(11) 16·19	(7) 10·75	(10) 6·15	(15) 3·55	COVENTRY.
CROYDON	(1) 55·29	(1) 60·54	(1) 60·87	(1) 59·27	(1) 55·17	(1) 50·57	(1) 46·18	(1) 42·04	(1) 33·58	(1) 25·56	(1) 18·21	(1) 12·06	(1) 7·51	(4) 4·48	CROYDON.
DERBY	(3) 52·65	(4) 58·54	(2) 59·70	(3) 58·02	(3) 53·83	(3) 49·19	(3) 45·05	(3) 40·89	(3) 32·33	(3) 24·21	(5) 16·71	(8) 10·69	(5) 6·40	(37) 2·69	DERBY.
GATESHEAD	(26) 46·45	(28) 52·49	(27) 54·73	(26) 53·92	(27) 50·04	(25) 45·66	(24) 41·51	(25) 37·38	(19) 29·46	(16) 21·99	(21) 15·07	(23) 9·50	(32) 5·44	(5) 4·41	GATESHEAD.
HALIFAX	(9) 50·32	(11) 55·63	(21) 55·74	(20) 54·53	(18) 50·69	(22) 45·94	(19) 41·76	(19) 37·60	(23) 29·29	(28) 21·16	(28) 14·39	(22) 9·52	(36) 5·06	(28) 3·04	HALIFAX.
HUDDERSFIELD	(10) 49·74	(10) 55·72	(17) 56·05	(19) 54·66	(20) 50·65	(14) 46·51	(13) 42·31	(14) 38·01	(18) 29·47	(21) 21·80	(27) 14·63	(27) 9·39	(26) 5·53	(1) 5·28	HUDDERSFIELD.
KINGSTON UPON HULL	(16) 48·14	(16) 55·01	(15) 56·13	(18) 54·81	(18) 50·69	(19) 46·15	(19) 41·76	(18) 37·73	(16) 29·63	(16) 21·99	(17) 15·44	(17) 9·94	(26) 5·53	(8) 4·08	KINGSTON UPON HULL.
LEEDS	(23) 47·02	(23) 53·73	(23) 55·21	(24) 54·17	(23) 50·38	(23) 45·89	(22) 41·68	(21) 37·49	(21) 29·44	(20) 21·94	(22) 15·04	(27) 9·39	(30) 5·48	(32) 2·96	LEEDS.
LEICESTER	(6) 50·87	(5) 57·69	(5) 58·53	(4) 57·26	(6) 53·08	(5) 48·54	(5) 44·40	(5) 40·18	(4) 32·05	(5) 23·99	(4) 16·86	(4) 10·97	(6) 6·38	(18) 3·41	LEICESTER.
LIVERPOOL	(36) 42·01	(36) 48·46	(37) 51·11	(37) 50·84	(37) 47·13	(37) 42·65	(37) 38·48	(37) 34·38	(37) 26·74	(37) 19·85	(34) 13·94	(27) 9·39	(16) 5·85	(19) 3·39	LIVERPOOL.
MANCHESTER	(33) 44·17	(34) 51·20	(34) 52·97	(34) 52·32	(34) 48·38	(35) 43·98	(35) 39·81	(35) 35·64	(33) 27·67	(33) 20·49	(30) 14·26	(30) 9·29	(25) 5·61	(16) 3·50	MANCHESTER.
MIDDLESBROUGH	(37) 40·48	(37) 47·76	(36) 51·44	(36) 51·76	(35) 48·18	(34) 44·00	(32) 40·04	(32) 35·92	(32) 27·89	(29) 20·91	(24) 14·85	(20) 9·67	(14) 5·88	(3) 4·97	MIDDLESBROUGH.

Newcastle upon Tyne	(21) 47·28	(25) 53·42	(25) 55·16	(25) 53·93	(26) 50·05	(26) 45·65	(25) 41·37	(23) 37·40	(22) 29·31	(22) 21·71	(19) 15·19	(19) 9·68	(28) 5·52	(35) 2·88	Newcastle upon Tyne.
Norwich	(5) 51·55	(2) 58·60	(3) 59·48	(2) 58·27	(2) 54·35	(2) 49·82	(2) 45·51	(2) 41·34	(2) 33·06	(2) 24·77	(2) 17·35	(2) 11·45	(8) 6·28	(12) 3·80	Norwich.
Nottingham	(18) 47·92	(13) 55·31	(10) 56·93	(9) 55·88	(9) 51·81	(9) 47·22	(9) 42·92	(9) 38·65	(10) 30·47	(10) 23·02	(10) 16·24	(10) 10·44	(18) 5·81	(22) 3·24	Nottingham.
Oldham	(30) 44·76	(31) 52·11	(31) 53·59	(32) 52·71	(31) 48·76	(31) 44·33	(31) 40·08	(33) 35·78	(35) 27·50	(36) 19·99	(37) 13·67	(36) 8·60	(34) 5·23	(13) 3·61	Oldham.
Plymouth	(15) 48·63	(15) 55·05	(13) 56·27	(16) 54·94	(15) 50·92	(17) 46·30	(16) 42·20	(13) 38·02	(13) 30·00	(9) 23·22	(7) 16·39	(6) 10·80	(9) 6·22	(11) 3·89	Plymouth.
Portsmouth	(7) 50·72	(9) 56·47	(8) 57·34	(8) 56·04	(7) 52·49	(7) 47·99	(7) 43·51	(8) 39·02	(9) 30·50	(8) 23·27	(6) 16·57	(5) 10·82	(2) 6·68	(29) 3·02	Portsmouth.
Preston	(31) 44·64	(32) 52·06	(33) 53·43	(30) 52·84	(30) 49·26	(30) 44·63	(30) 40·45	(30) 36·35	(30) 28·15	(30) 20·68	(33) 14·12	(32) 9·07	(33) 5·26	(24) 3·16	Preston.
Salford	(34) 43·77	(35) 50·76	(35) 52·56	(35) 51·82	(36) 47·92	(36) 43·48	(36) 39·25	(36) 35·26	(36) 27·42	(34) 20·36	(34) 13·94	(31) 9·19	(20) 5·80	(27) 3·05	Salford.
Sheffield	(24) 46·83	(25) 53·42	(22) 55·27	(20) 54·53	(22) 50·48	(21) 46·04	(23) 41·65	(23) 37·40	(27) 28·97	(25) 21·32	(24) 14·85	(25) 9·43	(24) 5·67	(22) 3·24	Sheffield.
Southampton	(8) 50·52	(7) 56·63	(9) 57·12	(12) 55·16	(16) 50·88	(18) 46·18	(18) 41·81	(19) 37·60	(13) 30·00	(12) 22·82	(8) 16·38	(11) 10·43	(7) 6·37	(31) 3·01	Southampton.
South Shields	(28) 45·91	(29) 52·29	(29) 54·15	(31) 52·81	(33) 48·70	(33) 44·10	(33) 39·96	(31) 35·98	(31) 28·04	(31) 20·59	(29) 14·27	(33) 8·84	(37) 4·83	(34) 2·90	South Shields.
Stockport	(25) 46·68	(22) 54·07	(24) 55·19	(23) 54·27	(24) 50·28	(24) 45·76	(26) 41·34	(26) 37·05	(28) 28·79	(27) 21·19	(26) 14·78	(25) 9·43	(11) 6·02	(9) 4·02	Stockport.
Stoke on Trent	(35) 43·24	(33) 51·76	(32) 53·49	(33) 52·56	(32) 48·71	(32) 44·16	(34) 39·93	(34) 35·71	(34) 27·65	(35) 20·03	(36) 13·86	(34) 8·79	(29) 5·49	(26) 3·15	Stoke on Trent.
Sunderland	(29) 45·55	(30) 52·24	(29) 54·15	(28) 53·41	(28) 49·44	(28) 45·19	(28) 41·00	(28) 37·01	(24) 29·26	(18) 21·98	(16) 15·55	(18) 9·90	(23) 5·73	(33) 2·94	Sunderland.
West Ham	(17) 47·95	(20) 54·33	(19) 55·97	(11) 55·18	(11) 51·10	(12) 46·68	(11) 42·50	(10) 38·44	(11) 30·24	(13) 22·67	(13) 15·94	(15) 10·16	(16) 5·85	(36) 2·78	West Ham.
Cardiff	(12) 49·11	(12) 55·39	(12) 56·36	(12) 55·16	(13) 50·98	(15) 46·37	(17) 42·18	(17) 37·83	(15) 29·70	(15) 22·15	(15) 15·65	(13) 10·29	(15) 5·87	(21) 3·35	Cardiff.
Swansea	(14) 48·67	(17) 54·86	(20) 55·96	(15) 54·98	(12) 51·05	(13) 46·58	(12) 42·38	(11) 38·41	(8) 30·54	(11) 22·86	(12) 16·00	(9) 10·57	(4) 6·53	(7) 4·10	Swansea.
Rural Districts in Norfolk and Suffolk	58·98	64·01	63·94	61·78	57·37	52·77	48·36	44·24	36·02	27·68	19·71	12·77	7·12	3·47	Rural Districts in Norfolk and Suffolk.

TABLE VIII.—$\mathring{e}_x$: *Expectations of Life at several Ages, according to the Mortality experience of the years* 1911–12. *Females.*

Area	Expectations of Life at Age :— 0	1	2	5	10	15	20	25	35	45	55	65	75	85	Area
SUMMARY.															SUMMARY.
All Areas — North	51·58	57·15	58·57	57·58	53·68	49·29	45·01	40·78	32·42	24·47	17·15	11·00	6·39	3·76	All Areas — North.
All Areas — Midlands	56·94	61·83	62·61	61·11	57·01	52·49	48·13	43·82	35·30	27·13	19·45	12·70	7·44	4·08	All Areas — Midlands.
All Areas — South (including London)	57·55	62·13	62·88	61·33	57·24	52·75	48·33	43·93	35·32	27·20	19·69	12·95	7·57	4·08	All Areas — South (including London).
All Areas — ,, (excluding London)	60·17	64·21	64·45	62·57	58·44	53·92	49·51	45·13	36·50	28·17	20·39	13·34	7·74	4·17	All Areas — ,, (excluding London).
All Areas — Wales	53·32	58·72	59·60	58·19	54·11	49·65	45·54	41·35	33·35	25·59	18·25	12·02	7·28	4·27	All Areas — Wales.
All Areas — England and Wales	55·00	60·12	61·14	59·82	55·80	51·33	46·99	42·71	34·25	26·21	18·74	12·23	7·21	4·03	All Areas — England and Wales.
London	54·49	59·54	60·85	59·69	55·64	51·17	46·74	42·31	33·72	25·83	18·65	12·31	7·26	3·91	London.
County Boroughs — North	49·93	55·61	57·33	56·59	52·75	48·39	44·15	39·92	31·57	23·77	16·65	10·70	6·25	3·76	County Boroughs — North.
County Boroughs — Midlands	52·86	58·56	59·92	58·95	55·00	50·51	46·15	41·90	33·42	25·54	18·27	11·81	6·89	3·93	County Boroughs — Midlands.
County Boroughs — South	57·90	62·54	63·11	61·52	57·62	53·15	48·76	44·42	35·79	27·63	20·01	13·08	7·61	4·14	County Boroughs — South.
County Boroughs — Wales	51·55	57·15	58·36	57·39	53·54	49·07	44·86	40·71	32·67	25·03	17·98	12·10	7·78	4·32	County Boroughs — Wales.
County Boroughs — England and Wales	51·71	57·32	58·82	57·92	54·04	49·63	45·32	41·08	32·68	24·83	17·62	11·42	6·74	3·92	County Boroughs — England and Wales.
Other Urban Districts — North	52·30	57·88	59·12	58·02	54·11	49·70	45·41	41·18	32·78	24·70	17·25	10·99	6·30	3·75	Other Urban Districts — North.
Other Urban Districts — Midlands	57·73	62·52	63·22	61·63	57·50	52·98	48·60	44·21	35·59	27·29	19·51	12·74	7·50	4·16	Other Urban Districts — Midlands.
Other Urban Districts — South	59·96	64·11	64·46	62·69	58·57	54·04	49·59	45·15	36·45	28·08	20·36	13·35	7·77	4·19	Other Urban Districts — South.
Other Urban Districts — Wales	52·46	58·21	59·35	58·09	53·97	49·49	45·17	41·01	32·89	25·13	17·86	11·85	7·23	4·75	Other Urban Districts — Wales.
Other Urban Districts — England and Wales	55·67	60·80	61·70	60·30	56·25	51·77	47·42	43·10	34·59	26·41	18·81	12·26	7·21	4·11	Other Urban Districts — England and Wales.
Rural Districts — North	56·02	61·11	61·83	60·23	56·16	51·69	47·33	43·07	34·75	26·54	18·74	12·10	6·98	3·79	Rural Districts — North.
Rural Districts — Midlands	60·29	64·24	64·41	62·45	58·21	53·67	49·34	45·11	36·71	28·40	20·39	13·33	7·73	4·09	Rural Districts — Midlands.
Rural Districts — South	61·85	65·32	65·26	63·06	58·78	54·25	49·87	45·57	37·00	28·62	20·65	13·48	7·79	4·16	Rural Districts — South.
Rural Districts — Wales	55·77	60·35	60·60	58·68	54·55	50·11	45·98	42·04	34·23	26·39	18·81	12·17	7·20	3·98	Rural Districts — Wales.
Rural Districts — England and Wales	59·21	63·43	63·69	61·76	57·56	53·05	48·72	44·52	36·16	27·91	20·00	13·04	7·58	4·06	Rural Districts — England and Wales.
Administrative Counties.															*Administrative Counties.*
BEDFORDSHIRE	(31) 58·84	(27) 63·69	(26) 64·05	(23) 62·27	(23) 58·12	(25) 53·49	(21) 49·28	(23) 44·88	(24) 36·31	(27) 27·98	(24) 20·14	(28) 13·07	(17) 7·80	(18) 4·31	BEDFORDSHIRE.
BERKSHIRE	(5) 62·04	(8) 65·08	(10) 65·07	(10) 62·97	(10) 58·71	(9) 54·20	(10) 49·71	(9) 45·33	(9) 36·92	(11) 28·50	(14) 20·51	(19) 13·29	(33) 7·60	(12) 4·45	BERKSHIRE.
BUCKINGHAMSHIRE	(18) 60·58	(14) 64·62	(13) 64·70	(13) 62·77	(11) 58·58	(12) 53·97	(9) 49·72	(8) 45·53	(12) 36·76	(23) 28·11	(31) 19·98	(33) 12·99	(37) 7·50	(26) 4·16	BUCKINGHAMSHIRE.
CAMBRIDGESHIRE	(14) 61·15	(11) 65·01	(7) 65·22	(6) 63·48	(4) 59·71	(3) 55·23	(3) 50·73	(3) 46·33	(2) 37·74	(2) 29·13	(4) 21·02	(2) 14·09	(2) 8·43	(21) 4·27	CAMBRIDGESHIRE.

Cheshire	(44) 55·73	(45) 60·83	(43) 61·54	(42) 60·01	(42) 55·98	(42) 51·50	(43) 47·07	(43) 42·59	(47) 33·99	(53) 25·72	(54) 18·09	(54) 11·63	(56) 6·65	(34) 4·05	Cheshire.
Cornwall	(40) 57·68	(34) 62·98	(34) 63·36	(35) 61·60	(34) 57·51	(34) 52·98	(34) 48·66	(32) 44·51	(33) 35·99	(32) 27·67	(31) 19·98	(37) 12·91	(39) 7·44	(50) 3·89	Cornwall.
Cumberland	(55) 53·89	(54) 59·10	(54) 59·87	(52) 58·61	(53) 54·55	(53) 50·09	(54) 45·80	(54) 41·64	(54) 33·53	(55) 25·44	(55) 18·02	(58) 11·46	(51) 6·98	(47) 3·93	Cumberland.
Derbyshire	(45) 55·57	(43) 60·90	(41) 61·60	(41) 60·13	(41) 56·08	(41) 51·56	(41) 47·22	(42) 42·87	(43) 34·36	(48) 26·12	(49) 18·36	(55) 11·62	(57) 6·62	(51) 3·88	Derbyshire.
Devonshire	(28) 59·53	(30) 63·38	(33) 63·57	(34) 61·66	(33) 57·57	(33) 53·16	(32) 48·83	(30) 44·58	(27) 36·21	(26) 28·00	(23) 20·15	(20) 13·28	(18) 7·79	(32) 4·08	Devonshire.
Dorsetshire	(12) 61·26	(12) 64·75	(20) 64·44	(21) 62·33	(20) 58·18	(25) 53·49	(26) 49·10	(24) 44·86	(26) 36·24	(25) 28·01	(25) 20·13	(28) 13·07	(35) 7·55	(28) 4·13	Dorsetshire.
Durham	(62) 51·09	(62) 56·96	(62) 58·42	(59) 57·40	(59) 53·45	(59) 49·06	(59) 44·81	(61) 40·63	(62) 32·47	(61) 24·56	(61) 17·23	(61) 10·95	(60) 6·43	(62) 3·37	Durham.
Ely, Isle of	(32) 58·70	(26) 63·73	(25) 64·09	(25) 62·15	(24) 58·10	(27) 53·39	(17) 49·40	(9) 45·33	(11) 36·79	(5) 28·91	(11) 20·57	(11) 13·56	(8) 8·11	(4) 4·81	Ely, Isle of.
Essex	(24) 59·92	(25) 63·91	(22) 64·36	(18) 62·38	(22) 58·13	(22) 53·56	(22) 49·20	(25) 44·80	(29) 36·17	(29) 27·93	(26) 20·12	(24) 13·24	(28) 7·65	(28) 4·13	Essex.
Gloucestershire	(17) 60·68	(17) 64·42	(18) 64·47	(20) 62·35	(25) 57·99	(24) 53·53	(22) 49·20	(20) 45·02	(20) 36·55	(21) 28·15	(21) 20·19	(27) 13·09	(25) 7·66	(42) 3·96	Gloucestershire.
Herefordshire	(21) 60·23	(31) 63·26	(36) 63·24	(38) 61·15	(37) 57·01	(37) 52·49	(37) 48·09	(38) 43·84	(37) 35·70	(37) 27·34	(38) 19·47	(34) 12·95	(25) 7·66	(9) 4·54	Herefordshire.
Hertfordshire	(3) 62·43	(4) 65·78	(4) 65·86	(4) 63·96	(5) 59·60	(5) 54·99	(5) 50·53	(6) 46·04	(6) 37·34	(6) 28·83	(5) 20·79	(6) 13·72	(8) 8·11	(12) 4·45	Hertfordshire.
Huntingdonshire	(13) 61·18	(6) 65·25	(5) 65·68	(5) 63·63	(6) 59·32	(6) 54·37	(6) 50·03	(4) 46·25	(4) 37·48	(6) 28·83	(7) 20·74	(8) 13·64	(28) 7·65	(48) 3·91	Huntingdonshire.
Kent	(25) 59·73	(23) 63·97	(19) 64·45	(15) 62·67	(12) 58·52	(11) 54·03	(13) 49·59	(15) 45·22	(19) 36·57	(15) 28·35	(8) 20·65	(9) 13·63	(12) 8·01	(10) 4·48	Kent.
Lancashire	(61) 52·34	(61) 58·02	(60) 59·08	(58) 57·84	(58) 53·93	(58) 49·50	(57) 45·27	(58) 41·03	(61) 32·56	(62) 24·48	(62) 17·06	(62) 10·89	(61) 6·24	(53) 3·76	Lancashire.
Leicestershire	(34) 58·31	(38) 62·59	(38) 62·83	(36) 61·22	(36) 57·11	(35) 52·72	(35) 48·52	(34) 44·37	(35) 35·90	(35) 27·55	(37) 19·70	(38) 12·89	(30) 7·64	(42) 3·96	Leicestershire.
Lincolnshire: Holland ..	(38) 57·94	(33) 63·11	(31) 63·70	(32) 61·84	(32) 57·65	(31) 53·28	(28) 49·02	(31) 44·57	(28) 36·18	(17) 28·33	(10) 20·59	(18) 13·33	(40) 7·43	(11) 4·46	Lincolnshire: Holland.
„ Kesteven ..	(19) 60·49	(19) 64·29	(15) 64·61	(16) 62·59	(18) 58·28	(17) 53·81	(14) 49·56	(14) 45·24	(8) 37·01	(9) 28·56	(12) 20·54	(23) 13·25	(25) 7·66	(22) 4·23	„ Kesteven.

TABLE VIII.—$\mathring{e}_x$: *Expectations of Life at several Ages, according to the Mortality experience of the years* 1911–12. *Females—contd.*

Area.	Expectations of Life at Age:—														Area.
	0	1	2	5	10	15	20	25	35	45	55	65	75	85	
Administrative Counties (continued).															*Administrative Counties (continued).*
LINCOLNSHIRE: LINDSEY ..	(36) 58·11	(29) 63·45	(31) 63·70	(29) 61·99	(31) 57·81	(32) 53·27	(31) 48·87	(27) 44·69	(21) 36·47	(14) 28·37	(20) 20·27	(17) 13·40	(20) 7·70	(30) 4·12	LINCOLNSHIRE: LINDSEY.
LONDON	(51) 54·49	(51) 59·54	(47) 60·85	(43) 59·69	(44) 55·64	(44) 51·17	(44) 46·74	(45) 42·31	(52) 33·72	(51) 25·83	(47) 18·65	(43) 12·31	(43) 7·26	(48) 3·91	LONDON.
MIDDLESEX	(27) 59·62	(22) 64·16	(13) 64·70	(8) 63·05	(8) 58·82	(8) 54·27	(8) 49·79	(11) 45·32	(18) 36·60	(20) 28·17	(19) 20·29	(14) 13·44	(10) 8·02	(15) 4·38	MIDDLESEX.
MONMOUTHSHIRE	(60) 52·46	(60) 58·18	(56) 59·66	(54) 58·40	(55) 54·22	(56) 49·66	(58) 45·21	(57) 41·15	(59) 33·05	(57) 25·32	(50) 18·25	(44) 12·22	(20) 7·70	(3) 5·43	MONMOUTHSHIRE.
NORFOLK	(16) 60·83	(5) 65·42	(6) 65·56	(7) 63·38	(7) 58·89	(7) 54·31	(7) 49·95	(7) 45·82	(5) 37·40	(3) 29·12	(3) 21·05	(4) 13·78	(16) 7·81	(38) 3·99	NORFOLK.
NORTHAMPTONSHIRE	(23) 59·95	(24) 63·94	(27) 64·00	(30) 61·98	(27) 57·96	(20) 53·64	(20) 49·32	(15) 45·22	(13) 36·73	(10) 28·51	(13) 20·53	(14) 13·44	(23) 7·67	(37) 4·03	NORTHAMPTONSHIRE.
NORTHUMBERLAND	(52) 54·25	(50) 59·62	(49) 60·54	(48) 59·12	(48) 54·95	(48) 50·48	(49) 46·15	(52) 42·05	(53) 33·65	(56) 25·42	(58) 17·92	(57) 11·59	(55) 6·76	(60) 3·43	NORTHUMBERLAND.
NOTTINGHAMSHIRE	(43) 56·62	(41) 61·50	(40) 62·33	(39) 60·77	(39) 56·71	(39) 52·17	(40) 47·85	(40) 43·56	(40) 34·99	(43) 26·61	(43) 18·93	(49) 12·05	(38) 7·45	(56) 3·60	NOTTINGHAMSHIRE.
OXFORDSHIRE	(10) 61·34	(16) 64·58	(16) 64·53	(12) 62·79	(13) 58·50	(13) 53·95	(15) 49·52	(12) 45·28	(16) 36·62	(19) 28·23	(14) 20·51	(13) 13·50	(7) 8·12	(45) 3·95	OXFORDSHIRE.
PETERBOROUGH, SOKE OF ..	(37) 58·08	(32) 63·17	(29) 63·80	(24) 62·26	(16) 58·34	(16) 53·83	(12) 49·60	(17) 45·14	(23) 36·34	(31) 27·80	(28) 20·05	(39) 12·87	(22) 7·68	(5) 4·73	PETERBOROUGH, SOKE OF.
RUTLANDSHIRE	(8) 61·70	(15) 64·61	(8) 65·17	(17) 62·54	(16) 58·34	(18) 53·80	(27) 49·09	(29) 44·68	(22) 36·35	(22) 28·13	(30) 19·99	(12) 13·55	(3) 8·30	(30) 4·12	RUTLANDSHIRE.
SHROPSHIRE	(30) 59·31	(37) 62·63	(37) 63·04	(37) 61·17	(38) 56·98	(38) 52·36	(39) 47·94	(39) 43·68	(39) 35·41	(37) 27·34	(39) 19·32	(40) 12·55	(41) 7·35	(14) 4·42	SHROPSHIRE.
SOMERSETSHIRE	(15) 61·05	(18) 64·35	(24) 64·20	(28) 62·03	(29) 57·89	(28) 53·35	(29) 48·99	(27) 44·69	(31) 36·09	(33) 27·62	(31) 19·98	(28) 13·07	(35) 7·55	(32) 4·08	SOMERSETSHIRE.
SOUTHAMPTON	(11) 61·31	(10) 65·02	(9) 65·12	(9) 63·02	(9) 58·72	(10) 54·15	(11) 49·67	(12) 45·28	(14) 36·72	(17) 28·33	(18) 20·40	(20) 13·28	(31) 7·62	(38) 3·99	SOUTHAMPTON.

Staffordshire	(54) 54·23	(52) 59·48	(51) 60·50	(47) 59·20	(45) 55·21	(45) 50·76	(45) 46·52	(47) 42·25	(50) 33·87	(52) 25·79	(52) 18·16	(55) 11·62	(58) 6·59	(41) 3·98	Staffordshire.
Suffolk, East	(22) 60·01	(19) 64·29	(17) 64·50	(18) 62·38	(21) 58·16	(21) 53·63	(25) 49·17	(20) 45·02	(10) 36·82	(15) 28·35	(21) 20·19	(16) 13·41	(34) 7·56	(55) 3·71	Suffolk, East.
„ West	(26) 59·66	(28) 63·54	(30) 63·72	(33) 61·71	(35) 57·30	(36) 52·69	(36) 48·27	(36) 44·10	(32) 36·08	(24) 28·09	(16) 20·48	(22) 13·27	(13) 7·97	(53) 3·76	„ West.
Surrey	(4) 62·42	(1) 66·31	(1) 66·50	(1) 64·56	(1) 60·38	(1) 55·82	(1) 51·45	(1) 46·87	(1) 37·98	(1) 29·41	(1) 21·40	(1) 14·10	(4) 8·22	(18) 4·31	Surrey.
Sussex, East	(2) 62·96	(2) 66·29	(2) 66·16	(3) 64·05	(3) 59·72	(4) 55·12	(4) 50·58	(5) 46·10	(7) 37·29	(8) 28·68	(6) 20·76	(5) 13·73	(5) 8·21	(20) 4·29	Sussex, East.
„ West	(1) 63·05	(3) 66·18	(3) 66·15	(2) 64·29	(2) 60·02	(2) 55·41	(2) 50·84	(2) 46·46	(3) 37·60	(4) 29·09	(2) 21·21	(9) 13·63	(14) 7·88	(23) 4·20	„ West.
Warwickshire	(33) 58·47	(36) 62·67	(35) 63·31	(31) 61·89	(30) 57·84	(29) 53·31	(30) 48·88	(33) 44·50	(34) 35·97	(33) 27·62	(35) 19·88	(34) 12·95	(31) 7·62	(34) 4·05	Warwickshire.
Westmorland	(9) 61·66	(13) 64·71	(21) 64·41	(26) 62·13	(26) 57·98	(30) 53·29	(33) 48·72	(37) 44·09	(38) 35·69	(40) 27·04	(41) 19·11	(41) 12·52	(46) 7·23	(7) 4·70	Westmorland.
Wight, Isle of	(7) 61·78	(7) 65·16	(11) 65·01	(11) 62·84	(13) 58·50	(14) 53·90	(16) 49·42	(19) 45·08	(16) 36·62	(13) 28·41	(9) 20·61	(7) 13·65	(15) 7·82	(38) 3·99	Wight, Isle of.
Wiltshire	(6) 61·80	(9) 65·03	(12) 65·00	(14) 62·70	(15) 58·36	(15) 53·85	(18) 49·39	(22) 44·92	(25) 36·27	(27) 27·98	(27) 20·07	(31) 13·02	(45) 7·25	(42) 3·96	Wiltshire.
Worcestershire	(35) 58·26	(35) 62·86	(28) 63·87	(26) 62·13	(27) 57·96	(23) 53·55	(24) 49·19	(26) 44·79	(30) 36·15	(30) 27·82	(29) 20·01	(25) 13·16	(19) 7·73	(17) 4·33	Worcestershire.
Yorkshire, East Riding ..	(29) 59·39	(21) 64·19	(23) 64·26	(22) 62·28	(19) 58·27	(19) 53·68	(19) 49·34	(18) 45·10	(15) 36·68	(12) 28·45	(17) 20·47	(3) 13·97	(6) 8·17	(8) 4·68	Yorkshire, East Riding.
„ North „ ..	(49) 54·94	(49) 59·67	(46) 60·90	(44) 59·57	(43) 55·94	(42) 51·50	(42) 47·17	(41) 42·98	(42) 34·78	(42) 26·76	(41) 19·11	(42) 12·40	(47) 7·19	(27) 4·15	„ North „
„ West „ ..	(58) 53·28	(58) 58·55	(55) 59·76	(53) 58·59	(50) 54·66	(50) 50·25	(53) 45·91	(53) 41·70	(56) 33·32	(59) 25·15	(60) 17·47	(60) 11·03	(62) 6·16	(59) 3·51	„ West „
Anglesey	(46) 55·42	(46) 60·18	(52) 60·26	(57) 57·89	(57) 54·05	(54) 50·06	(51) 46·11	(44) 42·38	(41) 34·88	(39) 27·22	(34) 19·89	(32) 13·00	(23) 7·67	(45) 3·95	Anglesey.
Brecknockshire	(50) 54·70	(48) 59·72	(49) 60·54	(51) 58·65	(52) 54·60	(51) 50·13	(52) 46·05	(48) 42·22	(45) 34·23	(41) 26·85	(40) 19·28	(36) 12·93	(10) 8·02	(1) 5·97	Brecknockshire.
Cardiganshire	(47) 55·08	(56) 58·96	(61) 58·73	(61) 57·22	(62) 52·75	(61) 48·47	(61) 44·70	(59) 40·95	(51) 33·82	(47) 26·15	(44) 18·91	(52) 11·78	(50) 7·01	(16) 4·35	Cardiganshire.
Carmarthenshire	(56) 53·85	(55) 58·99	(59) 59·22	(60) 57·30	(60) 53·22	(60) 48·98	(60) 44·75	(60) 40·78	(60) 33·03	(54) 25·61	(56) 17·95	(45) 12·14	(43) 7·26	(25) 4·17	Carmarthenshire.

TABLE VIII.—$\mathring{e}_x$: *Expectations of Life at several Ages, according to the Mortality experience of the years* 1911–12. *Females—contd.*

Area	Expectations of Life at Age :—														Area
	0	1	2	5	10	15	20	25	35	45	55	65	75	85	
Administrative Counties (continued).															*Administrative Counties (continued).*
CARNARVONSHIRE	(57) 53·79	(53) 59·28	(53) 59·90	(55) 58·25	(54) 54·39	(52) 50·11	(50) 46·13	(50) 42·10	(46) 34·13	(44) 26·34	(47) 18·65	(47) 12·13	(52) 6·80	(36) 4·04	CARNARVONSHIRE.
DENBIGHSHIRE	(48) 55·03	(47) 59·95	(48) 60·55	(50) 58·87	(51) 54·65	(55) 50·02	(55) 45·66	(55) 41·45	(58) 33·13	(60) 25·03	(58) 17·92	(59) 11·43	(54) 6·77	(57) 3·58	DENBIGHSHIRE.
FLINTSHIRE	(42) 56·86	(44) 60·84	(44) 61·18	(46) 59·24	(46) 55·07	(46) 50·70	(47) 46·40	(49) 42·20	(48) 33·94	(50) 25·95	(53) 18·14	(53) 11·73	(53) 6·79	(24) 4·19	FLINTSHIRE.
GLAMORGANSHIRE	(59) 52·81	(59) 58·53	(57) 59·49	(56) 58·21	(56) 54·07	(57) 49·58	(56) 45·34	(56) 41·19	(57) 33·15	(58) 25·30	(56) 17·95	(50) 11·84	(42) 7·32	(5) 4·73	GLAMORGANSHIRE.
MERIONETHSHIRE	(53) 54·24	(57) 58·91	(58) 59·39	(62) 57·19	(61) 53·11	(62) 48·44	(62) 44·23	(62) 40·39	(55) 33·44	(46) 26·17	(46) 18·68	(45) 12·14	(48) 7·07	(61) 3·42	MERIONETHSHIRE.
MONTGOMERYSHIRE	(39) 57·71	(40) 61·80	(41) 61·60	(45) 59·55	(48) 54·95	(49) 50·43	(48) 46·22	(46) 42·27	(44) 34·32	(45) 26·24	(45) 18·88	(48) 12·09	(59) 6·57	(52) 3·77	MONTGOMERYSHIRE.
PEMBROKESHIRE	(41) 56·92	(42) 61·08	(45) 60·99	(49) 58·95	(46) 55·07	(47) 50·61	(46) 46·43	(51) 42·07	(48) 33·94	(49) 25·96	(51) 18·21	(51) 11·79	(49) 7·04	(58) 3·53	PEMBROKESHIRE.
RADNORSHIRE	(20) 60·29	(39) 62·31	(39) 62·48	(40) 60·72	(40) 56·58	(40) 51·95	(38) 47·98	(35) 44·26	(36) 35·78	(36) 27·51	(36) 19·86	(26) 13·15	(1) 8·87	(2) 5·92	RADNORSHIRE.
Administrative Counties with Urban and Rural Aggregates containing more than 200,000 *population in each.*															*Administrative Counties with Urban and Rural Aggregates containing more than* 200,000 *population in each.*
DERBYSHIRE :															DERBYSHIRE :
Urban Districts	54·40	60·07	60·83	59·66	55·69	51·20	46·84	42·47	33·86	25·78	17·92	11·45	6·50	4·22	Urban Districts.
Rural Districts	56·88	61·85	62·47	60·70	56·57	52·01	47·71	43·38	34·97	26·56	18·92	11·93	6·76	3·66	Rural Districts.
DEVONSHIRE :															DEVONSHIRE :
Urban Districts	58·51	62·78	63·36	61·76	57·77	53·33	48·99	44·76	36·35	28·08	20·33	13·46	7·80	3·91	Urban Districts.
Rural Districts	60·44	63·88	63·73	61·53	57·35	52·97	48·66	44·38	36·04	27·91	19·94	13·07	7·78	4·30	Rural Districts.
DURHAM :															DURHAM :
Urban Districts	50·64	56·29	57·94	56·97	53·03	48·66	44·36	40·22	32·06	24·18	16·99	10·84	6·45	3·23	Urban Districts.
Rural Districts	51·69	57·84	59·06	57·99	54·01	49·61	45·42	41·20	33·06	25·11	17·57	11·11	6·40	3·57	Rural Districts.

ESSEX :														ESSEX :
Urban Districts	59·38	63·46	64·03	62·06	57·87	53·30	48·94	44·49	35·83	27·58	19·83	13·05	7·65	4·29	Urban Districts.
Rural Districts	61·49	65·16	65·17	63·16	58·72	54·09	49·78	45·53	37·03	28·85	20·79	13·64	7·67	3·91	Rural Districts.
KENT :															KENT :
Urban Districts	58·97	63·29	63·89	62·25	58·18	53·70	49·27	44·85	36·12	27·94	20·29	13·35	7·72	4·26	Urban Districts.
Rural Districts	61·46	65·48	65·69	63·57	59·23	54·73	50·27	46·10	37·67	29·34	21·50	14·30	8·68	5·01	Rural Districts.
LANCASHIRE :															LANCASHIRE :
Urban Districts	51·67	57·50	58·64	57·48	53·59	49·16	44·94	40·71	32·24	24·18	16·82	10·72	6·13	3·79	Urban Districts.
Rural Districts	56·97	61·47	61·94	60·19	56·14	51·71	47·37	43·15	34·64	26·41	18·57	11·93	6·91	3·63	Rural Districts.
SOUTHAMPTON :															SOUTHAMPTON :
Urban Districts	60·35	64·31	64·70	62·76	58·47	53·88	49·28	44·74	36·32	27·90	20·30	13·35	7·81	4·06	Urban Districts.
Rural Districts	62·17	65·61	65·43	63·19	58·88	54·33	49·95	45·74	37·06	28·67	20·47	13·24	7·48	3·96	Rural Districts.
STAFFORDSHIRE :															STAFFORDSHIRE :
Urban Districts	52·53	58·16	59·37	58·27	54·32	49·91	45·72	41·47	33·11	25·11	17·60	11·15	6·28	3·66	Urban Districts.
Rural Districts	58·70	62·75	63·21	61·37	57·28	52·69	48·33	44·00	35·52	27·27	19·32	12·58	7·17	4·50	Rural Districts.
SURREY :															SURREY :
Urban Districts	61·81	65·81	66·00	64·14	59·94	55·44	51·08	46·51	37·60	29·03	21·09	13·91	8·05	4·34	Urban Districts.
Rural Districts	63·69	67·37	67·55	65·46	61·32	56·65	52·26	47·64	38·80	30·22	22·08	14·54	8·60	4·26	Rural Districts.
YORKSHIRE, WEST RIDING :															YORKSHIRE, WEST RIDING :
Urban Districts	52·50	57·93	59·20	58·15	54·26	49·87	45·56	41·35	32·95	24·80	17·18	10·77	6·03	3·37	Urban Districts.
Rural Districts	55·79	60·64	61·69	60·22	56·15	51·66	47·22	43·04	34·70	26·49	18·54	11·94	6·60	3·90	Rural Districts.
GLAMORGANSHIRE :															GLAMORGANSHIRE :
Urban Districts	51·68	57·67	58·79	57·66	53·54	49·05	44·85	40·71	32·65	24·92	17·52	11·63	7·23	4·98	Urban Districts.
Rural Districts	55·87	60·74	61·20	59·48	55·30	50·79	46·45	42·29	34·25	26·10	18·85	12·27	7·48	4·37	Rural Districts.
County Boroughs with populations exceeding 100,000.															*County Boroughs with populations exceeding* 100,000.
	(18)	*(20)*	*(18)*	*(15)*	*(14)*	*(12)*	*(12)*	*(12)*	*(15)*	*(13)*	*(10)*	*(10)*	*(7)*	*(3)*	
BIRKENHEAD	51·87	57·21	59·01	58·08	54·40	50·14	45·76	41·32	32·74	25·06	18·00	11·86	7·34	4·67	BIRKENHEAD.
	(21)	*(22)*	*(20)*	*(14)*	*(15)*	*(15)*	*(14)*	*(17)*	*(18)*	*(18)*	*(16)*	*(13)*	*(13)*	*(18)*	
BIRMINGHAM	51·11	56·99	58·78	58·21	54·38	49·92	45·50	41·10	32·45	24·67	17·64	11·57	6·82	3·95	BIRMINGHAM.
	(27)	*(24)*	*(24)*	*(24)*	*(24)*	*(27)*	*(26)*	*(25)*	*(24)*	*(27)*	*(30)*	*(31)*	*(27)*	*(31)*	
BLACKBURN	49·55	56·77	58·01	56·90	52·99	48·40	44·18	39·93	31·74	23·74	16·25	10·35	6·15	3·31	BLACKBURN.
	(20)	*(20)*	*(22)*	*(25)*	*(25)*	*(26)*	*(27)*	*(27)*	*(28)*	*(30)*	*(29)*	*(33)*	*(37)*	*(28)*	
BOLTON	51·27	57·21	58·26	56·86	52·90	48·47	44·17	39·87	31·28	23·40	16·28	10·22	5·69	3·72	BOLTON.
	(11)	*(13)*	*(19)*	*(20)*	*(22)*	*(21)*	*(20)*	*(20)*	*(19)*	*(19)*	*(19)*	*(20)*	*(19)*	*(29)*	
BRADFORD	53·00	58·23	58·87	57·50	53·38	49·08	44·88	40·70	32·35	24·46	16·99	10·86	6·41	3·45	BRADFORD.
	(2)	*(2)*	*(2)*	*(3)*	*(3)*	*(3)*	*(3)*	*(3)*	*(3)*	*(3)*	*(3)*	*(3)*	*(8)*	*(8)*	
BRIGHTON	58·68	62·89	63·63	61·69	57·26	52·73	48·34	43·99	35·16	27·11	19·77	12·95	7·27	4·36	BRIGHTON.

TABLE VIII.—$\mathring{e}_x$: *Expectations of Life at several Ages, according to the Mortality experience of the years* 1911–12. *Females—contd.*

Area.	Expectations of Life at Age :—														Area.
	0	1	2	5	10	15	20	25	35	45	55	65	75	85	
County Boroughs with populations exceeding 100,000 (*continued*).															*County Boroughs with populations exceeding* 100,000 (*continued.*)
BRISTOL	(8) 54·53	(5) 59·81	(5) 61·08	(5) 59·98	(5) 55·90	(6) 51·42	(6) 47·09	(6) 42·76	(6) 34·31	(5) 26·48	(7) 18·91	(6) 12·32	(9) 7·07	(17) 3·99	BRISTOL.
BURNLEY	(35) 47·24	(28) 54·96	(29) 56·89	(29) 56·06	(30) 52·10	(33) 47·63	(31) 43·48	(31) 39·27	(32) 30·70	(35) 22·87	(35) 15·75	(37) 9·73	(36) 5·71	(27) 3·73	BURNLEY.
COVENTRY	(5) 55·58	(9) 59·35	(7) 60·31	(7) 59·11	(7) 55·59	(7) 51·03	(7) 46·73	(7) 42·60	(8) 33·93	(9) 25·74	(10) 18·00	(11) 11·66	(21) 6·37	(36) 3·03	COVENTRY.
CROYDON	(1) 60·46	(1) 64·79	(1) 65·02	(1) 63·14	(1) 59·17	(1) 54·59	(1) 50·03	(1) 45·54	(2) 36·70	(2) 28·38	(2) 20·61	(1) 13·57	(3) 7·76	(11) 4·17	CROYDON.
DERBY	(6) 55·49	(6) 59·69	(9) 60·23	(10) 58·80	(11) 54·83	(10) 50·38	(10) 46·01	(10) 41·73	(10) 33·31	(10) 25·40	(17) 17·58	(24) 10·67	(26) 6·16	(20) 3·92	DERBY.
GATESHEAD	(29) 49·48	(32) 54·66	(28) 56·99	(28) 56·26	(28) 52·23	(28) 47·91	(29) 43·58	(28) 39·66	(27) 31·52	(26) 23·78	(23) 16·75	(21) 10·84	(25) 6·22	(33) 3·13	GATESHEAD.
HALIFAX	(9) 54·40	(10) 58·95	(12) 59·56	(16) 58·04	(18) 53·97	(16) 49·71	(17) 45·36	(18) 41·01	(21) 32·31	(21) 24·26	(22) 16·86	(27) 10·46	(35) 5·74	(26) 3·75	HALIFAX.
HUDDERSFIELD	(12) 52·99	(14) 58·22	(14) 59·24	(19) 57·88	(19) 53·69	(19) 49·21	(21) 44·84	(21) 40·62	(22) 31·80	(23) 23·97	(25) 16·62	(25) 10·55	(30) 6·01	(32) 3·15	HUDDERSFIELD.
KINGSTON UPON HULL.. ..	(17) 51·88	(16) 57·60	(15) 59·21	(17) 58·01	(16) 54·15	(17) 49·66	(16) 45·39	(15) 41·16	(13) 32·94	(13) 25·06	(15) 17·72	(15) 11·46	(11) 6·84	(24) 3·78	KINGSTON UPON HULL.
LEEDS	(25) 50·89	(23) 56·78	(23) 58·13	(22) 57·26	(20) 53·50	(20) 49·16	(19) 44·99	(19) 40·79	(20) 32·33	(20) 24·33	(21) 16·93	(23) 10·71	(33) 5·86	(35) 3·04	LEEDS.
LEICESTER	(10) 54·22	(8) 59·59	(6) 60·51	(6) 59·17	(8) 55·23	(8) 50·67	(8) 46·49	(8) 42·33	(9) 33·86	(8) 25·82	(8) 18·34	(12) 11·63	(10) 7·06	(15) 4·02	LEICESTER.
LIVERPOOL	(37) 46·40	(36) 52·21	(37) 54·77	(37) 54·58	(37) 50·80	(37) 46·56	(37) 42·32	(37) 38·06	(37) 29·88	(36) 22·46	(33) 15·83	(30) 10·39	(24) 6·28	(21) 3·90	LIVERPOOL.
MANCHESTER	(30) 49·00	(29) 54·92	(30) 56·71	(30) 55·99	(29) 52·18	(30) 47·78	(30) 43·57	(30) 39·34	(31) 30·90	(32) 23·20	(27) 16·34	(26) 10·54	(17) 6·46	(13) 4·04	MANCHESTER.
MIDDLESBROUGH	(36) 46·65	(37) 52·17	(36) 54·95	(32) 55·53	(33) 51·95	(31) 47·73	(32) 43·41	(31) 39·27	(34) 30·64	(29) 23·41	(34) 15·76	(29) 10·40	(31) 5·97	(5) 4·58	MIDDLESBROUGH.

Newcastle upon Tyne	(23) 50·95	(26) 55·95	(26) 57·38	(27) 56·60	(27) 52·85	(25) 48·50	(25) 44·27	(24) 40·03	(22) 31·80	(25) 23·81	(24) 16·71	(19) 10·99	(15) 6·59	(23) 3·80	Newcastle upon Tyne.
Norwich	(3) 57·08	(3) 62·42	(3) 63·14	(2) 62·12	(2) 58·25	(2) 53·73	(2) 49·48	(2) 45·50	(1) 36·83	(1) 28·47	(1) 20·76	(2) 13·31	(3) 7·76	(6) 4·50	Norwich.
Nottingham	(19) 51·72	(12) 58·42	(11) 59·84	(9) 59·03	(10) 54·88	(11) 50·28	(11) 45·94	(11) 41·66	(11) 33·26	(12) 25·21	(12) 17·98	(16) 11·41	(19) 6·41	(30) 3·33	Nottingham.
Oldham	(31) 48·58	(35) 54·15	(35) 55·76	(36) 54·86	(36) 50·97	(36) 46·61	(36) 42·50	(35) 38·40	(35) 30·27	(37) 22·31	(37) 15·51	(36) 9·92	(29) 6·02	(37) 2·89	Oldham.
Plymouth	(13) 52·87	(11) 58·79	(10) 60·08	(11) 58·63	(9) 54·91	(9) 50·40	(9) 46·36	(9) 42·24	(7) 34·10	(7) 26·25	(5) 19·00	(5) 12·62	(6) 7·43	(1) 4·89	Plymouth.
Portsmouth	(7) 55·08	(7) 59·66	(8) 60·27	(8) 59·10	(6) 55·84	(5) 51·54	(5) 47·31	(4) 43·07	(5) 34·43	(6) 26·45	(6) 18·94	(8) 12·18	(11) 6·84	(18) 3·95	Portsmouth.
Preston	(33) 48·37	(30) 54·83	(34) 55·83	(34) 55·40	(31) 52·08	(28) 47·91	(28) 43·75	(29) 39·51	(29) 31·02	(31) 23·29	(36) 15·68	(35) 10·01	(34) 5·79	(22) 3·85	Preston.
Salford	(32) 48·47	(34) 54·32	(32) 56·45	(31) 55·88	(32) 52·03	(32) 47·64	(33) 43·38	(33) 39·03	(32) 30·70	(33) 23·04	(32) 15·88	(34) 10·18	(32) 5·90	(14) 4·03	Salford.
Sheffield	(15) 52·12	(19) 57·25	(16) 59·10	(12) 58·45	(12) 54·50	(13) 50·01	(13) 45·62	(12) 41·32	(14) 32·83	(16) 24·82	(18) 17·54	(17) 11·25	(23) 6·31	(15) 4·02	Sheffield.
Southampton	(4) 56·22	(4) 61·11	(4) 62·15	(4) 60·26	(4) 56·46	(4) 52·02	(4) 47·57	(5) 43·06	(4) 34·55	(4) 26·73	(4) 19·57	(4) 12·78	(1) 8·02	(10) 4·27	Southampton.
South Shields	(27) 49·55	(31) 54·75	(31) 56·52	(33) 55·42	(34) 51·38	(35) 46·96	(34) 42·79	(34) 38·66	(30) 30·94	(28) 23·58	(28) 16·32	(32) 10·25	(16) 6·51	(9) 4·32	South Shields.
Stockport	(24) 50·94	(17) 57·35	(21) 58·58	(21) 57·42	(23) 53·31	(22) 48·92	(23) 44·53	(23) 40·10	(25) 31·68	(24) 23·94	(26) 16·56	(22) 10·72	(27) 6·15	(7) 4·49	Stockport.
Stoke on Trent	(34) 47·44	(33) 54·53	(33) 55·85	(35) 55·14	(35) 51·20	(34) 47·00	(35) 42·66	(35) 38·40	(36) 30·23	(34) 22·88	(31) 16·13	(28) 10·42	(18) 6·45	(2) 4·70	Stoke on Trent.
Sunderland	(26) 49·63	(27) 55·47	(27) 57·32	(26) 56·64	(25) 52·90	(24) 48·63	(24) 44·28	(26) 39·91	(26) 31·65	(22) 24·05	(20) 16·96	(18) 11·09	(22) 6·34	(12) 4·07	Sunderland.
West Ham	(16) 51·94	(18) 57·32	(13) 59·33	(13) 58·41	(13) 54·42	(14) 49·95	(15) 45·48	(16) 41·11	(16) 32·64	(17) 24·76	(14) 17·73	(14) 11·47	(14) 6·67	(34) 3·08	West Ham.
Cardiff	(14) 52·45	(14) 58·22	(17) 59·07	(18) 57·91	(17) 54·03	(17) 49·66	(18) 45·29	(14) 41·18	(12) 33·09	(10) 25·40	(9) 18·05	(9) 12·12	(5) 7·72	(24) 3·78	Cardiff.
Swansea	(22) 51·01	(25) 56·19	(25) 57·82	(23) 57·05	(21) 53·39	(23) 48·88	(22) 44·72	(22) 40·58	(17) 32·55	(15) 24·97	(13) 17·93	(7) 12·20	(2) 8·00	(4) 4·65	Swansea.
Rural Districts in Norfolk and Suffolk	61·03	65·08	65·09	62·94	58·54	53·96	49·58	45·49	37·41	29·12	20·95	13·79	7·82	3·91	Rural Districts in Norfolk and Suffolk.

TABLE IX.—*Ratio per cent. of Survivors at several ages to those in England and Wales at the same ages*, 1911–12. *Males.*

Area.	Age 1	2	5	10	15	20	25	35	45	55	65	75	85	95	Area
SUMMARY.															SUMMARY.
All Areas — North	98·3	97·4	96·8	96·5	96·4	96·1	95·9	95·4	94·6	92·6	87·8	77·7	60·2	47·7	All Areas — North.
All Areas — Midlands	100·7	101·2	101·6	101·8	101·9	102·1	102·1	102·6	103·8	106·1	110·4	117·3	124·8	118·6	All Areas — Midlands.
All Areas — South (including London)	101·8	102·2	102·6	102·7	102·8	102·9	103·0	103·1	102·7	102·6	104·1	109·7	122·9	137·7	All Areas — South (including London).
All Areas — ,, (excluding London)	103·1	104·5	105·4	105·7	105·9	106·1	106·3	106·7	107·8	110·8	117·7	131·1	159·7	183·6	All Areas — ,, (excluding London).
All Areas — Wales	98·9	99·1	99·3	99·4	99·4	99·2	99·1	99·1	99·4	100·3	101·0	100·6	100·1	131·8	All Areas — Wales.
All Areas — England and Wales	100·0	100·0	100·0	100·0	100·0	100·0	100·0	100·0	100·0	100·0	100·0	100·0	100·0	100·0	All Areas — England and Wales.
London	100·4	99·7	99·5	99·4	99·3	99·4	99·4	99·0	97·0	93·6	88·9	85·0	78·8	83·2	London.
County Boroughs — North	97·6	96·0	94·9	94·5	94·3	93·9	93·6	92·6	90·5	85·9	77·4	63·4	44·9	38·6	County Boroughs — North.
County Boroughs — Midlands	98·2	97·5	97·0	96·9	96·9	96·9	96·8	96·6	96·1	95·1	93·2	88·8	77·4	57·3	County Boroughs — Midlands.
County Boroughs — South	101·5	102·1	102·5	102·4	102·6	102·8	103·0	102·9	101·9	102·2	104·4	108·2	125·1	155·9	County Boroughs — South.
County Boroughs — Wales	98·9	98·5	98·0	98·0	97·9	97·6	97·4	96·6	95·6	93·2	89·1	84·6	79·2	84·5	County Boroughs — Wales.
County Boroughs — England and Wales	98·2	97·2	96·4	96·1	96·0	95·8	95·6	95·0	93·5	90·5	85·1	76·0	63·6	57·3	County Boroughs — England and Wales.
Other Urban Districts — North	98·7	98·2	97·8	97·6	97·5	97·1	96·9	96·9	97·4	96·7	93·3	82·7	61·9	46·4	Other Urban Districts — North.
Other Urban Districts — Midlands	101·0	101·7	102·2	102·4	102·6	102·8	102·9	103·7	105·3	107·9	112·0	117·8	129·0	145·5	Other Urban Districts — Midlands.
Other Urban Districts — South	102·7	104·1	104·9	105·1	105·3	105·4	105·6	106·0	107·1	109·4	114·7	123·7	147·8	175·0	Other Urban Districts — South.
Other Urban Districts — Wales	97·9	97·6	97·5	97·5	97·5	97·4	97·4	97·8	98·3	98·6	97·2	91·6	86·2	95·0	Other Urban Districts — Wales
Other Urban Districts — England and Wales	100·1	100·4	100·6	100·6	100·6	100·6	100·6	101·0	102·0	103·1	104·0	103·1	103·0	108·2	Other Urban Districts — England and Wales.
Rural Districts — North	100·0	100·6	101·0	101·1	101·1	101·1	101·2	101·7	103·1	107·5	114·4	122·5	117·9	89·5	Rural Districts — North.
Rural Districts — Midlands	103·1	104·8	106·0	106·4	106·6	106·9	107·0	107·8	110·5	115·9	127·0	145·9	166·6	153·2	Rural Districts — Midlands.
Rural Districts — South	104·5	106·5	107·9	108·4	108·7	109·0	109·2	109·9	112·5	117·9	129·4	153·1	193·2	210·5	Rural Districts — South.
Rural Districts — Wales	100·7	102·1	103·1	103·3	103·3	103·1	102·8	102·9	103·8	107·5	113·4	123·3	129·8	196·8	Rural Districts — Wales.
Rural Districts — England and Wales	102·4	103·9	104·9	105·2	105·4	105·6	105·7	106·3	108·4	113·5	123·1	139·9	158·9	156·4	Rural Districts — England and Wales.
Administrative Counties.															*Administrative Counties.*
BEDFORDSHIRE	102·1	103·5	104·9	105·2	105·4	105·8	106·1	106·6	108·4	112·4	120·6	135·2	142·5	157·3	BEDFORDSHIRE.
BERKSHIRE	105·0	106·7	108·0	108·9	109·1	109·4	109·6	109·8	112·1	116·0	126·5	146·0	177·1	291·4	BERKSHIRE.
BUCKINGHAMSHIRE	103·9	105·7	106·9	107·3	107·6	107·9	108·2	108·8	111·6	116·6	125·7	136·9	153·5	179·1	BUCKINGHAMSHIRE.
CAMBRIDGESHIRE	103·8	104·9	105·4	104·8	105·0	105·1	105·1	105·3	106·8	110·7	119·8	134·3	154·0	74·1	CAMBRIDGESHIRE.
CHESHIRE	100·2	100·7	101·1	101·1	101·0	101·0	101·0	101·5	102·2	103·1	103·4	98·7	76·1	75·5	CHESHIRE.
CORNWALL	100·7	101·9	103·0	103·0	102·8	102·4	101·9	101·5	101·5	102·7	107·1	110·8	128·1	137·7	CORNWALL.
CUMBERLAND	99·9	100·4	100·3	100·4	100·2	100·4	100·1	99·8	99·0	100·2	99·8	97·8	88·3	50·9	CUMBERLAND.
DERBYSHIRE	99·5	100·0	100·3	100·3	100·4	100·5	101·0	102·3	104·4	108·4	112·0	112·3	97·7	62·7	DERBYSHIRE.
DEVONSHIRE	103·3	105·0	105·8	106·0	106·1	106·2	106·1	105·5	107·0	110·2	118·1	134·0	174·7	215·0	DEVONSHIRE.
DORSETSHIRE	104·7	106·7	107·9	108·1	108·3	108·9	109·7	110·7	113·3	118·2	128·1	148·8	174·6	145·5	DORSETSHIRE.

Durham	97·5	96·6	96·1	96·0	95·9	95·5	95·4	95·5	96·5	97 6	99·6	94·3	82·0	48·6
Ely, Isle of	100·3	100·7	101·4	102·1	102·0	102·5	102·3	101·6	104·0	109·3	121·1	140·4	201·1	130·0
Essex	102·8	104·2	105·2	105·5	105·7	105·7	105·7	106·5	108·2	112·2	119·2	135·1	165·9	216·8
Gloucestershire	103·5	105·2	106·5	107·0	107·1	107·4	107·4	107·7	109·7	113·0	119·9	125·4	137·4	121·8
Herefordshire	104·1	105·7	107·2	107·8	108·2	108·7	108·5	109·6	111·2	115·5	123·4	125·9	133·0	147·3
Hertfordshire	104·3	106·3	107·9	108·4	108·7	108·9	109·5	110·8	112·7	117·6	128·1	140·1	148·7	160·9
Huntingdonshire	104·4	105·7	106·8	107·5	107·8	108·3	108·0	109·7	113·6	120·0	133·9	155·7	169·4	159·1
Kent	102·3	103·6	104·3	104·5	104·7	104·9	105·0	105·5	106·9	110·1	117·6	133·2	160·9	185·5
Lancashire	98·6	98·4	98·0	97·9	97·7	97·5	97·2	97·1	97·2	96·1	91·1	79·8	59·4	47·3
Leicestershire	101·9	103·2	104·2	104·4	104·5	104·5	104·8	105·4	107·6	111·2	119·7	132·2	135·6	125·0
Lincolnshire: Holland	100·5	101·7	103·1	103·0	103·1	103·6	103·9	103·9	105·9	110·2	120·9	137·8	168·4	220·0
,, Kesteven	103·2	105·3	106·4	107·1	106·9	106·8	107·6	108·6	110·0	117·1	127·1	145·5	169·7	244·5
,, Lindsey	101·8	103·4	104·6	104·9	105·0	105·2	105·2	105·8	109·6	115·6	126·3	152·7	197·5	203·6
London	100·4	99·7	99·5	99·4	99·3	99·4	99·4	99·0	97·0	93·6	88·9	85·0	78·8	83·2
Middlesex	101·8	102·8	103·7	103·9	104·2	104·6	104·9	106·1	108·2	111·4	115·6	126·1	154·5	171·8
Monmouthshire	98·4	97·9	98·0	98·1	98·2	98·3	98·4	99·2	100·0	101·2	102·0	100·3	108·0	167·3
Norfolk	102·9	104·9	106·4	107·1	107·3	107·7	107·7	108·1	111·0	117·7	130·0	154·9	191·6	149·5
Northamptonshire	102·8	104·4	105·2	105·2	105·2	105·4	105·3	106·0	108·7	113·7	121·9	138·4	157·7	91·4
Northumberland	100·1	100·4	100·8	101·0	100·8	100·4	100·5	100·4	102·4	105·4	108·9	111·6	95·6	86·8
Nottinghamshire	100·0	100·7	100·7	101·0	101·2	101·4	101·6	102·7	105·1	109·7	119·5	130·0	140·8	129·1
Oxfordshire	104·1	106·1	107·2	107·7	107·8	108·2	108·4	109·9	112·3	117·3	129·1	149·0	162·0	215·0
Peterborough, Soke of	101·1	101·6	101·6	101·3	101·8	101·4	102·3	103·9	104·9	108·4	119·1	134·0	157·0	54·1
Rutlandshire	105·8	108·3	110·2	116·3	110·4	111·3	111·9	111·8	116·6	122·5	131·4	149·6	185·9	625·0
Shropshire	103·0	104·7	105·8	106·3	106·5	106·8	107·2	107·8	109·7	112·8	117·9	126·7	136·4	179·1
Somersetshire	104·1	106·2	107·8	108·6	108·7	108·8	109·0	109·7	111·5	115·6	119·9	130·4	146·1	146·4
Southampton	103·8	105·5	106·7	107·0	107·1	107·6	107·8	108·2	109·3	113·1	122·8	141·2	183·6	160·9
Staffordshire	99·0	98·9	98·8	98·8	98·9	99·0	99·0	99·2	99·7	100·6	103·1	103·7	93·7	105·0
Suffolk, East	103·4	105·3	106·6	107·3	107·7	107·9	108·1	108·3	111·0	117·0	130·6	159·5	197·0	230·5
,, West	104·2	106·2	107·7	108·5	108·6	109·0	108·6	108·9	110·1	114·0	122·2	139·9	206·8	164·1
Surrey	104·0	105·8	106·9	107·3	107·7	108·0	108·4	110·2	112·6	117·8	127·7	151·5	209·7	287·7
Sussex, East	105·6	107·8	109·3	110·0	110·4	110·2	110·5	111·7	114·2	119·0	131·1	148·2	178·1	172·7
,, West	104·1	106·0	107·2	107·5	108·0	108·1	108·2	108·9	111·1	113·4	125·5	144·4	208·8	250·0
Warwickshire	101·1	102·0	102·4	102·7	102·9	103·3	103·3	104·4	106·1	109·3	117·1	128·2	131·8	176·8
Westmorland	103·8	105·7	106·5	106·6	107·0	107·9	107·5	108·1	109·9	116·0	124·1	127·8	154·3	63·6
Wight, Isle of	105·8	107·0	108·1	108·7	109·3	109·9	110·7	111·3	111·8	115·3	122·2	140·4	172·2	232·3
Wiltshire	104·6	106·6	108·1	108·4	108·7	109·1	109·6	110·2	113·1	118·2	126·4	143·1	148·5	174·1
Worcestershire	101·7	102·2	102·7	102·9	103·1	103·3	103·4	104·4	106·5	108·5	112·7	119·1	123·9	87·3
Yorkshire, East Riding	102·8	104·5	105·8	106·2	106·4	106·5	106·7	106·7	109·2	114·7	123·7	142·3	155·5	85·5
,, North ,,	100·8	100·4	100·1	99·8	99·7	99·3	99·4	99·3	100·0	102·5	108·9	114·5	110·4	122·7
,, West ,,	99·1	98·6	98·4	98·3	98·2	97·9	97·8	98·2	99·2	100·1	98·5	90·7	69·2	46·8
Anglesey	99·0	100·2	101·6	102·0	102·1	102·5	102·4	102·0	103·0	105·9	109·1	115·4	118·8	238·2
Brecknockshire	98·3	98·9	99·5	99·5	99·4	99·1	99·8	100·6	100·9	101·7	104·0	109·6	132·8	415·0
Cardiganshire	99·4	101·4	103·1	103·0	102·7	102·6	101·2	97·0	96·3	98·7	103·4	102·9	117·2	148·6
Carmarthenshire	99·6	100·7	101·5	101·2	100·9	100·4	100·3	100·0	101·0	103·7	108·6	111·1	98·8	116·4
Carnarvonshire	101·1	102·2	102·7	102·8	102·3	101·7	101·2	100·6	100·4	102·3	102·7	102·1	101·7	156·8
Denbighshire	99·0	100·0	100·7	100·5	100·8	100·8	100·9	102·0	103·1	106·1	111·6	110·5	94·6	69·5
Flintshire	101·9	102·7	103·2	103·9	103·8	104·0	103·5	102·7	102·5	105·0	104·9	100·2	84·1	76·8
Glamorganshire	97·8	97·7	97·8	97·8	97·8	97·8	97·7	98·5	99·3	100·2	99·4	95·4	102·5	128·2
Merionethshire	102·2	104·3	104·5	104·2	104·8	103·9	102·6	100·9	102·9	104·4	101·0	95·6	82·2	29·1
Montgomeryshire	103·1	105·3	107·0	107·3	107·9	108·0	108·1	107·4	110·0	114·4	127·0	149·2	121·2	179·1
Pembrokeshire	102·8	104·7	105·6	105·7	105·9	105·0	104·8	102·7	100·7	102·7	108·4	122·6	135·5	286·8
Radnorshire	103·4	105·0	106·3	106·8	107·1	107·9	107·8	106·5	107·4	118·3	130·1	166·0	230·3	158·6

Durham.
Ely, Isle of.
Essex.
Gloucestershire.
Herefordshire.
Hertfordshire.
Huntingdonshire.
Kent.
Lancashire.
Leicestershire.
Lincolnshire: Holland.
,, Kesteven.
,, Lindsey.
London.
Middlesex.
Monmouthshire.
Norfolk.
Northamptonshire.
Northumberland.
Nottinghamshire.
Oxfordshire.
Peterborough, Soke of.
Rutlandshire.
Shropshire.
Somersetshire.
Southampton.
Staffordshire.
Suffolk, East.
,, West.
Surrey.
Sussex, East.
,, West.
Warwickshire.
Westmorland.
Wight, Isle of.
Wiltshire.
Worcestershire.
Yorkshire, East Riding.
,, North
,, West
Anglesey.
Brecknockshire.
Cardiganshire.
Carmarthenshire.
Carnarvonshire.
Denbighshire.
Flintshire.
Glamorganshire.
Merionethshire.
Montgomeryshire.
Pembrokeshire.
Radnorshire.

TABLE IX.—*Ratio per cent. of Survivors at several ages to those in England and Wales at the same ages, 1911–12. Males– contd.*

Area	Age 1	2	5	10	15	20	25	35	45	55	65	75	85	95	Area
Administrative Counties with Urban and Rural Aggregates containing more than 200,000 population in each.															*Administrative Counties with Urban and Rural Aggregates containing more than 200,000 population in each.*
DERBYSHIRE :															DERBYSHIRE :
Urban Districts	98·9	99·2	99·4	99·5	99·6	99·4	99·9	101·5	103·5	107·1	110·3	106·4	85·6	57·7	Urban Districts.
Rural Districts	100·0	100·8	101·2	101·2	101·2	101·5	102·0	102·9	105·3	109·7	113·7	118·3	110·1	67·7	Rural Districts.
DEVONSHIRE :															DEVONSHIRE :
Urban Districts	103·3	104·3	104·5	104·5	104·7	104·3	104·1	102·8	102·5	103·9	108·5	118·0	158·6	213·2	Urban Districts.
Rural Districts	103·4	105·6	106·9	107·3	107·4	107·8	107·9	108·0	111·2	116·1	127·4	152·5	193·5	221·4	Rural Districts.
DURHAM :															DURHAM :
Urban Districts	98·3	97·1	96·2	96·0	95·8	95·5	95·3	95·1	95·5	95·0	93·8	82·6	65·4	47·7	Urban Districts.
Rural Districts	96·6	96·1	96·0	95·9	95·9	95·4	95·4	96·1	97·9	101·0	107·7	112·1	107·9	50·9	Rural Districts.
ESSEX :															ESSEX :
Urban Districts	102·4	103·6	104·4	104·5	104·7	104·6	104·6	105·5	107·1	110·3	115·0	126·8	156·4	256·8	Urban Districts.
Rural Districts	104·2	106·3	107·8	108·6	108·9	109·2	109·0	109·8	111·5	117·9	130·6	154·8	189·1	187·3	Rural Districts.
KENT :															KENT :
Urban Districts	102·1	103·2	103·8	103·9	104·0	104·2	104·3	104·6	105·8	108·0	111·7	119·5	128·3	99·1	Urban Districts.
Rural Districts	102·8	104·4	105·5	106·0	106·2	106·6	106·7	107·5	109·4	115·0	129·7	160·1	226·8	416·4	Rural Districts.
LANCASHIRE :															LANCASHIRE :
Urban Districts	98·2	97·8	97·3	97·1	97·0	96·6	96·3	96·1	96·0	94·2	87·8	73·8	50·4	40·5	Urban Districts.
Rural Districts	101·6	102·9	103·0	103·1	102·9	103·2	103·5	103·8	105·1	109·3	113·2	117·6	123·0	94·1	Rural Districts.
SOUTHAMPTON :															SOUTHAMPTON :
Urban Districts	102·6	104·1	104·6	104·7	104·8	105·1	105·2	105·4	105·3	106·9	114·5	128·7	163·2	181·4	Urban Districts.
Rural Districts	104·9	106·9	108·7	109·3	109·4	110·0	110·5	111·0	113·2	118·9	130·3	152·0	200·5	156·4	Rural Districts.
STAFFORDSHIRE :															STAFFORDSHIRE :
Urban Districts	98·2	97·6	97·1	96·9	97·1	97·1	97·2	97·3	97·2	97·2	96·9	92·1	74·2	85·0	Urban Districts.
Rural Districts	101·4	102·6	103·5	103·9	104·0	104·1	104·1	104·4	106·6	109·5	118·6	132·4	141·6	155·0	Rural Districts.
SURREY :															SURREY :
Urban Districts	103·5	105·1	106·4	106·9	107·3	107·6	108·0	109·8	112·0	116·8	125·0	143·4	197·7	353·6	Urban Districts.
Rural Districts	105·1	107·0	107·9	108·0	108·5	108·7	109·1	110·9	113·9	119·6	133·1	167·3	233·1	181·8	Rural Districts.
YORKSHIRE, WEST RIDING :															YORKSHIRE, WEST RIDING :
Urban Districts	98·8	98·2	97·8	97·6	97·4	97·1	97·1	97·5	98·6	98·4	95·0	83·1	59·6	38·2	Urban Districts.
Rural Districts	99·9	99·8	100·0	100·3	100·3	100·1	99·9	100·1	100·7	105·1	110·1	117·0	102·7	75·9	Rural Districts.

GLAMORGANSHIRE:														GLAMORGANSHIRE:
Urban Districts	97·0	96·6	96·4	96·4	96·3	96·2	96·2	96·9	97·8	98·1	96·5	88·7	87·0	78·2	Urban Districts.
Rural Districts	100·0	101·1	101·7	101·8	101·9	102·0	101·7	102·9	103·7	106·3	107·5	112·1	136·5	241·4	Rural Districts.
County Boroughs with populations exceeding 100,000.															*County Boroughs with populations exceeding* 100,000.
BIRKENHEAD	100·0	98·7	97·9	97·4	97·2	97·2	97·0	95·8	93·9	89·0	81·2	74·0	54·1	84·1	BIRKENHEAD.
BIRMINGHAM	96·9	95·6	94·5	94·3	94·5	94·7	94·8	94·4	93·1	91·3	86·3	80·9	65·7	59·1	BIRMINGHAM.
BLACKBURN	95·1	94·2	94·0	93·8	93·8	93·2	93·3	93·3	92·0	90·0	83·9	69·2	54·9	25·5	BLACKBURN.
BOLTON	98·3	98·0	97·7	97·4	97·0	96·6	96·3	96·1	94·9	89·1	79·5	55·8	39·0	106·8	BOLTON.
BRADFORD	99·2	99·4	99·6	99·3	99·0	99·1	99·1	98·6	97·2	93·8	86·2	72·0	48·1	37·7	BRADFORD.
BRIGHTON	103·6	104·5	105·5	105·7	106·0	106·4	106·8	106·1	104·5	105·0	104·9	108·2	115·4	156·8	BRIGHTON.
BRISTOL	98·4	98·6	98·3	98·2	98·2	98·3	97·9	97·6	97·2	97·1	96·6	90·7	78·5	46·4	BRISTOL.
BURNLEY	91·5	90·1	89·5	89·5	88·9	89·2	89·2	89·5	90·3	88·3	81·3	56·6	31·9	31·4	BURNLEY.
COVENTRY	102·3	102·1	101·0	100·0	100·1	100·0	100·9	102·1	103·7	103·7	99·2	98·8	89·3	86·4	COVENTRY.
CROYDON	102·5	103·9	104·4	104·5	104·8	104·9	104·8	105·6	107·0	109·9	114·8	125·3	168·6	331·8	CROYDON.
DERBY	100·9	100·8	101·3	101·6	101·9	101·5	101·4	102·2	103·7	106·3	106·9	103·1	112·4	18·6	DERBY.
GATESHEAD	99·1	96·6	95·4	95·0	94·7	94·2	93·9	92·5	90·8	89·0	83·1	69·8	43·2	81·8	GATESHEAD.
HALIFAX	101·4	103·0	102·5	102·0	102·5	102·0	101·8	101·5	102·1	98·4	85·6	74·6	41·9	20·0	HALIFAX.
HUDDERSFIELD	100·0	101·2	101·1	100·9	100·1	99·8	99·9	100·3	99·3	98·3	88·5	72·1	44·1	134·1	HUDDERSFIELD.
KINGSTON UPON HULL	98·0	97·8	97·6	97·6	97·7	97·7	97·1	96·2	95·1	91·4	86·0	78·1	51·5	78·2	KINGSTON UPON HULL.
LEEDS	98·0	97·0	96·3	95·7	95·6	95·3	95·1	94·1	92·4	90·4	84·8	69·4	48·2	19·5	LEEDS.
LEICESTER	98·9	99·3	99·1	99·3	99·4	99·0	98·9	98·6	99·6	100·3	100·4	101·6	103·2	85·9	LEICESTER.
LIVERPOOL	96·9	93·3	90·9	90·1	89·9	89·4	88·8	86·2	81·6	73·9	61·7	49·0	39·0	31·8	LIVERPOOL.
MANCHESTER	96·5	94·8	93·3	92·9	92·6	92·1	91·8	90·3	86·9	80·8	70·4	55·8	39·5	36·4	MANCHESTER.
MIDDLESBROUGH	94·7	89·2	86·1	85·1	84·4	83·6	83·2	82·0	78·4	72·6	65·6	54·9	39·6	102·3	MIDDLESBROUGH.
NEWCASTLE UPON TYNE	99·1	97·6	97·2	96·8	96·5	96·3	95·5	94·6	93·3	89·3	83·4	72·1	51·3	17·3	NEWCASTLE UPON TYNE.
NORWICH	98·7	99·0	98·8	98·6	98·6	98·6	98·6	98·7	100·9	103·4	104·7	115·7	109·4	132·7	NORWICH.
NOTTINGHAM	97·1	96·0	95·4	95·4	95·5	95·4	95·4	95·0	93·5	91·8	90·0	87·5	69·4	45·9	NOTTINGHAM.
OLDHAM	96·1	95·0	93·9	93·6	93·3	93·0	93·0	92·4	90·1	83·5	71·6	50·5	29·7	30·5	OLDHAM.
PLYMOUTH	99·0	98·5	98·3	98·2	98·4	97·8	97·6	96·6	92·6	91·3	88·7	88·6	80·5	105·5	PLYMOUTH.
PORTSMOUTH	100·7	100·9	100·8	99·8	99·8	100·1	100·7	101·2	98·9	96·9	95·5	92·1	107·7	49·5	PORTSMOUTH.
PRESTON	96·0	95·1	93·4	92·5	92·6	92·2	91·7	91·0	88·8	84·2	73·3	57·2	35·3	20·9	PRESTON.
SALFORD	96·4	94·6	93·2	92·8	92·5	92·2	91·4	89·4	85·6	80·2	67·9	52·0	41·6	20·5	SALFORD.
SHEFFIELD	98·2	96·5	95·3	95·2	95·0	95·0	95·0	95·0	93·7	89·1	81·8	66·4	49·5	33·2	SHEFFIELD.
SOUTHAMPTON	100·0	100·9	101·9	102·2	102·6	102·6	102·5	100·1	97·4	93·9	93·3	86·2	90·3	40·9	SOUTHAMPTON.
SOUTH SHIELDS	98·3	96·5	96·2	96·2	96·3	95·7	94·9	93·3	90·9	85·0	76·6	59·0	29·6	10·5	SOUTH SHIELDS.
STOCKPORT	96·7	96·4	95·4	95·2	95·2	95·3	95·3	94·8	93·3	88·2	80·5	63·5	52·1	75·5	STOCKPORT.
STOKE ON TRENT	93·4	91·9	90·9	90·4	90·4	90·1	89·9	88·7	86·9	80·0	69·1	49·7	34·3	20·0	STOKE ON TRENT.
SUNDERLAND	97·6	95·7	94·4	94·1	93·5	93·1	92·4	90·6	88·2	84·3	80·3	71·2	55·7	21·8	SUNDERLAND.
WEST HAM	98·8	97·6	96·5	96·5	96·3	95·9	95·4	95·0	93·8	91·7	89·1	81·9	68·8	17·3	WEST HAM.
CARDIFF	99·3	99·4	98·9	99·1	99·3	98·9	99·1	98·3	96·9	93·1	87·3	82·2	66·3	51·4	CARDIFF.
SWANSEA	99·4	99·2	98·3	98·0	97·9	97·6	96·9	95·5	94·8	93·4	88·8	83·1	84·2	130·0	SWANSEA.
Rural Districts in Norfolk and Suffolk	103·5	105·7	107·3	108·0	108·3	108·6	108·5	108·9	112·0	119·3	133·5	165·6	215·9	191·4	Rural Districts in Norfolk and Suffolk.

TABLE X.—*Ratio per cent. of Survivors at several ages to those in England and Wales at the same ages, 1911–12. Females.*

Area	Age 1	2	5	10	15	20	25	35	45	55	65	75	85	95	Area
SUMMARY.															SUMMARY.
All Areas — North	98·6	97·7	97·1	96·8	96·6	96·4	96·2	95·8	95·1	93·4	88·9	79·0	61·2	49·4	All Areas — North.
All Areas — Midlands	100·7	101·2	101·5	101·7	101·8	101·9	102·0	102·3	102·9	104·3	106·9	111·7	119·1	123·4	All Areas — Midlands.
All Areas — South (including London)	101·3	101·8	102·3	102·5	102·5	102·7	103·0	103·6	104·1	104·7	107·7	114·9	127·2	131·5	All Areas — South (including London).
All Areas — „ (excluding London)	102·6	104·0	105·1	105·3	105·5	105·7	106·0	106·7	108·1	110·5	116·5	128·8	148·4	163·4	All Areas — „ (excluding London).
All Areas — Wales	99·2	99·4	99·4	99·5	99·4	99·1	98·6	97·3	96·2	95·3	93·1	89·8	89·9	105·9	All Areas — Wales.
All Areas — England and Wales	100·0	100·0	100·0	100·0	100·0	100·0	100·0	100·0	100·0	100·0	100·0	100·0	100·0	100·0	All Areas — England and Wales.
London	100·0	99·5	99·2	99·3	99·3	99·4	99·8	100·1	99·5	98·0	96·9	97·6	100·3	91·5	London.
County Boroughs — North	98·0	96·5	95·4	95·0	94·7	94·5	94·2	93·7	92·3	89·4	83·1	70·9	52·0	41·8	County Boroughs — North.
County Boroughs — Midlands	98·6	98·0	97·4	97·2	97·2	97·3	97·2	97·1	96·4	95·2	94·3	91·1	83·1	76·6	County Boroughs — Midlands.
County Boroughs — South	101·3	102·1	102·6	102·5	102·5	102·7	102·9	103·5	104·2	105·5	110·1	119·1	132·7	143·1	County Boroughs — South.
County Boroughs — Wales	98·5	98·0	97·3	96·9	96·9	96·6	96·2	94·9	93·3	90·9	86·5	81·2	93·4	113·5	County Boroughs — Wales.
County Boroughs — England and Wales	98·5	97·6	96·8	96·5	96·3	96·2	96·1	95·8	94·8	92·9	89·6	82·6	71·7	65·9	County Boroughs — England and Wales.
Other Urban Districts — North	98·7	98·2	97·8	97·5	97·4	97·2	97·0	96·8	96·5	95·6	91·8	82·0	61·5	49·0	Other Urban Districts — North.
Other Urban Districts — Midlands	101·0	101·6	102·2	102·4	102·5	102·7	102·9	103·5	104·7	106·6	109·4	114·4	123·4	135·1	Other Urban Districts — Midlands.
Other Urban Districts — South	102·4	103·6	104·5	104·7	104·9	105·2	105·6	106·5	108·1	110·1	115·9	128·0	148·2	165·9	Other Urban Districts — South.
Other Urban Districts — Wales	98·4	98·1	97·9	98·1	98·1	97·9	97·6	96·6	95·3	93·9	89·8	85·0	80·7	126·7	Other Urban Districts — Wales.
Other Urban Districts — England and Wales	100·1	100·3	100·5	100·5	100·6	100·6	100·7	100·9	101·4	102·1	102·5	102·8	102·2	108·3	Other Urban Districts — England and Wales.
Rural Districts — North	100·2	100·8	101·2	101·3	101·4	101·4	101·4	101·1	101·7	103·3	104·2	104·1	99·0	81·8	Rural Districts — North.
Rural Districts — Midlands	102·7	104·3	105·5	105·9	106·1	106·1	106·1	106·2	107·6	111·0	117·2	129·5	149·9	156·6	Rural Districts — Midlands.
Rural Districts — South	103·7	105·6	107·3	107·8	108·0	108·1	108·3	108·9	110·6	114·1	121·4	136·0	159·1	174·1	Rural Districts — South.
Rural Districts — Wales	101·0	102·3	103·3	103·4	103·4	102·9	102·1	100·3	99·6	100·2	101·1	100·3	100·4	96·6	Rural Districts — Wales.
Rural Districts — England and Wales	102·1	103·5	104·6	105·0	105·1	105·1	105·0	105·0	106·1	108·8	113·7	122·7	136·5	139·6	Rural Districts — England and Wales.
Administrative Counties.															*Administrative Counties.*
BEDFORDSHIRE	101·1	102·3	103·2	103·4	103·8	103·6	103·9	104·5	105·8	108·3	114·0	121·4	140·4	170·3	BEDFORDSHIRE.
BERKSHIRE	104·3	106·3	107·7	108·2	108·4	108·7	109·1	109·2	111·1	114·6	122·2	135·8	146·8	194·1	BERKSHIRE.
BUCKINGHAMSHIRE	102·6	104·3	105·5	105·8	106·1	106·0	105·9	107·0	109·6	113·6	118·8	128·2	138·2	151·0	BUCKINGHAMSHIRE.
CAMBRIDGESHIRE	103·0	104·5	105·3	105·0	105·1	105·5	105·9	106·6	109·2	113·4	119·7	136·8	186·6	220·0	CAMBRIDGESHIRE.
CHESHIRE	100·2	100·7	101·1	101·1	101·1	101·3	101·7	102·1	102·8	103·3	101·9	97·8	81·6	82·5	CHESHIRE.
CORNWALL	100·2	101·3	102·1	102·3	102·5	102·5	102·2	102·6	103·8	105·5	110·9	119·0	129·1	116·0	CORNWALL.
CUMBERLAND	99·6	100·0	99·8	99·9	99·8	99·7	99·4	98·4	98·4	97·7	96·9	88·2	82·8	76·6	CUMBERLAND.
DERBYSHIRE	99·8	100·3	100·6	100·6	100·7	100·7	100·9	101·1	101·7	103·0	103·8	99·8	83·4	74·4	DERBYSHIRE.
DEVONSHIRE	102·8	104·3	105·3	105·5	105·4	105·5	105·5	105·5	106·4	109·0	113·5	124·0	146·0	150·8	DEVONSHIRE.
DORSETSHIRE	103·6	105·9	107·4	107·7	108·1	108·3	108·3	109·0	110·0	112·9	118·7	128·9	141·4	152·1	DORSETSHIRE.

Durham	97·9	97·0	96·4	96·2	96·0	95·8	95·5	94·5	93·7	92·2	88·6	77·8	63·3	34·1	Durham.
Ely, Isle of	100·8	102·0	103·1	103·2	103·7	103·1	102·7	103·2	103·2	108·1	114·0	125·7	151·1	245·9	Ely, Isle of.
Essex	102·6	103·7	104·9	105·4	105·6	105·7	106·1	106·7	107·8	110·2	114·8	126·2	142·3	152·4	Essex.
Gloucestershire	103·1	104·9	106·3	107·0	107·0	107·0	106·9	107·2	108·9	112·0	118·2	127·6	146·4	138·7	Gloucestershire.
Herefordshire	104·2	106·0	107·4	107·7	107·8	108·0	108·0	107·2	108·6	111·0	112·4	119·1	130·1	180·9	Herefordshire.
Hertfordshire	103·9	105·7	106·8	107·5	107·9	108·2	108·8	109·8	112·0	115·9	122·9	138·2	171·1	225·9	Hertfordshire.
Huntingdonshire	102·6	103·8	105·2	105·8	106·7	106·8	105·8	107·0	109·6	113·7	120·7	139·2	160·0	146·1	Huntingdonshire.
Kent	102·2	103·2	104·1	104·4	104·5	104·8	105·1	105·8	106·9	108·9	115·0	129·0	155·3	209·5	Kent.
Lancashire	98·5	98·4	98·1	97·9	97·8	97·5	97·3	97·2	96·9	95·8	91·1	80·4	58·5	47·0	Lancashire.
Leicestershire	101·9	103·3	103·8	104·0	103·9	103·7	103·4	103·6	105·0	107·3	110·8	116·7	133·3	126·3	Leicestershire.
Lincolnshire: Holland	100·4	101·3	102·2	102·6	102·4	102·3	102·8	102·8	102·6	104·7	112·0	126·8	130·6	173·5	Lincolnshire: Holland.
„ Kesteven	103·0	104·3	105·6	106·2	106·2	106·1	106·3	106·0	107·9	111·4	119·3	131·3	147·1	169·2	„ Kesteven.
„ Lindsey	100·2	101·6	102·3	102·6	102·8	103·0	102·8	102·4	103·1	106·8	111·3	124·4	142·2	151·7	„ Lindsey.
London	100·0	99·5	99·2	99·3	99·3	99·4	99·8	100·1	99·5	98·0	96·9	97·6	100·3	91·5	London.
Middlesex	101·7	102·6	103·3	103·7	104·0	104·3	104·8	105·8	107·5	110·3	114·9	125·8	153·3	194·2	Middlesex.
Monmouthshire	98·5	97·6	97·5	97·7	97·9	98·0	97·5	96·4	95·1	93·0	89·7	86·1	88·7	198·4	Monmouthshire.
Norfolk	101·8	103·4	105·0	105·9	106·1	106·3	106·0	106·3	107·7	111·6	120·0	139·0	166·0	160·7	Norfolk.
Northamptonshire	102·6	104·3	105·6	105·7	105·4	105·4	105·1	105·5	106·6	109·9	116·3	130·9	149·9	150·1	Northamptonshire.
Northumberland	99·4	99·6	99·7	99·9	99·9	99·9	99·4	99·2	99·7	99·4	97·0	91·7	83·7	48·5	Northumberland.
Nottinghamshire	100·7	101·1	101·5	101·6	101·7	101·7	101·8	102·2	103·4	104·5	107·2	102·5	114·4	79·6	Nottinghamshire.
Oxfordshire	104·0	105·9	106·8	107·3	107·5	107·8	107·8	108·6	110·3	112·4	118·5	129·6	168·6	158·2	Oxfordshire.
Peterborough, Soke of	100·6	101·4	101·8	101·7	101·8	101·7	102·2	103·3	105·3	107·3	113·6	119·0	128·6	200·2	Peterborough, Soke of.
Rutlandshire	104·5	105·5	107·8	108·2	108·4	109·2	109·6	109·5	110·6	114·6	116·3	126·4	169·2	179·6	Rutlandshire.
Shropshire	103·6	104·7	105·7	106·1	106·4	106·6	106·6	106·2	106·5	109·6	112·3	115·9	117·1	151·7	Shropshire.
Somersetshire	103·8	105·9	107·5	107·8	107·9	108·0	108·1	108·7	110·6	112·1	116·8	126·7	139·7	145·0	Somersetshire.
Southampton	103·2	104·9	106·4	106·9	107·2	107·5	107·9	108·4	110·1	113·3	119·9	133·0	150·3	146·1	Southampton.
Staffordshire	99·6	99·6	99·5	99·5	99·4	99·2	99·2	98·9	99·0	99·4	98·7	95·1	77·9	75·0	Staffordshire.
Suffolk, East	102·1	103·6	105·1	105·5	105·7	105·9	105·7	105·4	107·3	111·4	115·5	130·5	149·0	114·6	Suffolk, East.
„ West	102·7	104·3	105·5	106·2	106·6	106·8	106·6	105·6	105·8	107·3	114·3	123·1	156·6	125·8	„ West.
Surrey	103·1	104·7	105·9	106·3	106·5	106·7	107·5	109·0	111·5	115·5	124·7	145·1	187·3	227·2	Surrey.
Sussex, East	104·0	106·1	107·6	108·3	108·6	109·1	109·7	111·0	113·6	116·9	123·7	138·1	177·9	212·1	Sussex, East.
„ West	104·3	106·3	107·4	107·9	108·3	108·8	109·2	110·7	112·9	116·2	127·3	144·0	171·7	193·9	„ West.
Warwickshire	102·1	102·8	103·1	103·2	103·3	103·6	103·9	104·2	105·6	107·5	112·0	119·1	133·9	136·2	Warwickshire.
Westmorland	104·3	106·7	108·4	108·7	109·2	109·7	110·6	110·7	113·1	115·8	117·0	121·5	115·8	177·7	Westmorland.
Wight, Isle of	103·8	105·9	107·5	108·1	108·4	108·8	109·0	109·3	110·4	113·0	118·9	135·5	162·0	156·9	Wight, Isle of.
Wiltshire	104·0	106·0	107·7	108·4	108·5	108·8	109·4	110·1	111·4	114·4	120·2	132·8	135·3	128·1	Wiltshire.
Worcestershire	101·4	101·5	102·3	102·6	102·6	102·7	103·0	103·7	105·0	107·3	111·4	120·6	136·6	167·6	Worcestershire.
Yorkshire, East Riding	101·2	102·9	104·1	104·2	104·5	104·5	104·5	104·7	105·8	109·1	111·7	128·6	158·7	239·6	Yorkshire, East Riding.
„ North „	100·6	100·2	100·3	99·6	99·5	99·5	99·3	98·7	98·7	99·8	101·5	104·1	102·5	111·5	„ North „
„ West „	99·4	99·0	98·7	98·5	98·4	98·3	98·1	97·8	98·1	98·4	96·0	87·4	62·6	39·6	„ West „
Anglesey	100·7	102·2	104·0	103·6	102·6	101·7	100·5	98·0	96·9	96·9	100·6	107·3	123·6	116·0	Anglesey.
Brecknockshire	100·1	100·4	101·3	101·3	101·3	100·7	99·7	98·4	96·3	97·1	97·0	99·7	107·1	315·0	Brecknockshire.
Cardiganshire	102·1	104·2	104·4	105·1	104·7	103·3	102·0	98·3	97·0	96·0	99·9	95·2	87·3	108·1	Cardiganshire.
Carmarthenshire	99·8	101·0	101·9	102·0	101·5	101·1	100·4	98·2	95·9	96·4	91·3	89·8	90·1	99·6	Carmarthenshire.
Carnarvonshire	99·2	99·8	100·2	99·9	99·6	98·8	98·2	96·9	96·0	97·0	97·0	98·9	86·8	87·0	Carnarvonshire.
Denbighshire	100·3	101·0	101·6	101·9	102·2	102·2	102·0	101·5	101·4	99·1	97·7	90·1	81·3	55·0	Denbighshire.
Flintshire	102·2	103·3	104·4	104·6	104·4	104·3	104·1	103·5	103·3	104·6	103·1	99·3	85·9	95·9	Flintshire.
Glamorganshire	98·6	98·6	98·4	98·6	98·6	98·3	98·0	96·8	95·9	94·9	91·4	85·7	83·8	130·1	Glamorganshire.
Merionethshire	100·6	101·4	102·9	102·9	103·3	102·9	101·7	97·4	94·8	94·9	95·0	94·8	95·8	54·8	Merionethshire.
Montgomeryshire	102·1	104·2	105·5	106·5	106·6	106·3	105·5	104·1	104·2	103·7	105·7	109·3	90·4	73·3	Montgomeryshire.
Pembrokeshire	101·9	103·8	105·0	104·7	104·7	104·3	104·5	103·5	103·3	104·4	103·0	98·0	97·2	63·1	Pembrokeshire.
Radnorshire	105·8	107·4	108·2	108·5	108·8	108·0	106·8	107·0	108·1	109·6	112·7	111·9	146·8	418·0	Radnorshire.

TABLE X. *-Ratio per cent. of Survivors at several ages to those in England and Wales at the same ages,* 1911–12. *Females—contd.*

Area	Age 1	2	5	10	15	20	25	35	45	55	65	75	85	95	Area
Administrative Counties with Urban and Rural Aggregates containing more than 200,000 population in each.															*Administrative Counties with Urban and Rural Aggregates containing more than 200,000 population in each.*
DERBYSHIRE :															DERBYSHIRE :
Urban Districts.	99·0	99·4	99·1	99·1	99·1	99·1	99·3	99·7	99·7	101·2	99·7	94·3	73·4	84·0	Urban Districts.
Rural Districts	100·6	101·3	102·1	102·3	102·5	102·4	102·5	102·5	103·9	104·8	108·2	107·6	96·0	70·5	Rural Districts.
DEVONSHIRE :															DEVONSHIRE :
Urban Districts	102·0	102·8	103·3	103·4	103·3	103·4	103·3	103·4	104·6	106·7	111·4	124·3	148·9	135·7	Urban Districts.
Rural Districts.	103·5	105·6	107·2	107·5	107·4	107·4	107·5	107·3	108·0	111·1	115·4	123·1	141·8	171·0	Rural Districts.
DURHAM :															DURHAM :
Urban Districts	98·2	96·9	96·2	96·0	95·7	95·6	95·2	94·2	93·1	90·8	86·1	74·1	61·5	27·7	Urban Districts.
Rural Districts	97·6	97·2	96·7	96·5	96·4	96·0	95·8	94·9	94·3	94·0	92·0	83·1	65·8	44·5	Rural Districts.
ESSEX :															ESSEX :
Urban Districts	102·4	103·3	104·5	104·8	105·0	105·1	105·6	106·3	107·4	109·3	112·8	121·2	134·8	160·5	Urban Districts.
Rural Districts	103·3	105·2	106·5	107·3	107·6	107·6	107·7	108·1	109·2	113·0	120·4	138·7	160·4	145·6	Rural Districts.
KENT :															KENT :
Urban Districts	101·9	102·8	103·4	103·5	103·6	103·9	104·3	105·2	106·0	107·7	112·7	125·0	142·2	166·7	Urban Districts.
Rural Districts	102·7	104·3	105·8	106·4	106·5	106·9	106·7	107·0	108·7	111·8	120·2	138·2	186·8	338·6	Rural Districts.
LANCASHIRE :															LANCASHIRE :
Urban Districts	98·1	97·8	97·4	97·1	97·0	96·7	96·5	96·3	95·9	94·3	88·8	76·9	52·9	43·6	Urban Districts.
Rural Districts	101·4	102·3	103·0	103·1	103·0	103·1	102·9	103·1	103·8	105·6	106·2	104·2	98·2	70·3	Rural Districts.
SOUTHAMPTON :															SOUTHAMPTON :
Urban Districts	102·7	103·9	105·1	105·6	105·9	106·5	107·2	107·3	109·0	110·4	115·7	127·4	151·2	153·9	Urban Districts.
Rural Districts	103·7	105·9	107·6	108·2	108·4	108·6	108·5	109·5	111·2	115·8	123·5	137·6	150·1	141·8	Rural Districts.
STAFFORDSHIRE :															STAFFORDSHIRE :
Urban Districts	98·7	98·2	97·8	97·6	97·5	97·1	97·0	96·6	96·3	95·8	93·7	86·2	64·5	47·6	Urban Districts.
Rural Districts	102·3	103·4	104·3	104·5	104·7	104·8	105·0	105·2	106·2	108·8	111·3	117·0	111·2	151·7	Rural Districts.
SURREY :															SURREY :
Urban Districts	102·8	104·4	105·5	105·9	106·0	106·2	107·0	108·5	110·9	114·5	122·4	141·2	174·2	214·4	Urban Districts.
Rural Districts	103·5	105·2	106·7	107·0	107·5	107·7	108·6	110·1	112·8	117·7	129·5	153·6	218·1	255·3	Rural Districts.
YORKSHIRE, WEST RIDING :															YORKSHIRE, WEST RIDING :
Urban Districts	99·0	98·5	97·9	97·6	97·5	97·4	97·2	96·9	97·0	96·8	93·7	82·7	56·3	30·5	Urban Districts.
Rural Districts	100·6	100·5	100·8	100·9	101·0	101·2	101·0	100·7	101·3	103·6	103·9	104·8	86·7	78·2	Rural Districts.

GLAMORGANSHIRE :														GLAMORGANSHIRE :
Urban Districts	97·9	97·6	97·1	97·3	97·3	96·9	96·1	95·3	93·9	92·9	87·7	80·2	74·8	133·2	Urban Districts.
Rural Districts	100·6	101·5	102·2	102·4	102·5	102·5	102·2	101·1	101·4	100·4	101·0	99·3	104·7	131·5	Rural Districts.
County Boroughs with populations exceeding 100,000.															*County Boroughs with populations exceeding* 100,000.
BIRKENHEAD	99·0	97·6	96·8	96·2	95·8	95·8	96·1	96·3	94·8	92·5	89·4	83·9	82·8	124·7	BIRKENHEAD.
BIRMINGHAM	97·9	96·5	95·2	94·8	94·8	94·9	95·1	95·4	94·1	91·5	87·4	82·0	72·9	68·8	BIRMINGHAM.
BLACKBURN	95·3	94·7	94·3	94·0	94·1	93·8	93·7	92·7	92·0	90·7	83·3	67·5	49·1	24·5	BLACKBURN.
BOLTON	97·9	97·6	97·6	97·4	97·3	97·1	97·1	97·1	95·9	92·7	86·0	70·8	40·1	31·2	BOLTON.
BRADFORD	99·4	100·0	99·9	100·0	99·7	99·3	99·0	98·5	97·5	96·5	91·4	79·2	63·4	37·5	BRADFORD.
BRIGHTON	102·1	102·7	103·8	104·5	104·7	104·8	105·0	106·2	106·4	106·3	109·8	120·1	119·3	149·0	BRIGHTON.
BRISTOL	99·6	99·2	98·9	99·0	99·0	99·0	99·1	99·1	98·4	99·0	99·7	102·1	98·0	95·1	BRISTOL.
BURNLEY	93·8	92·0	91·0	90·8	90·8	90·3	90·0	90·0	88·5	85·1	77·8	58·2	33·3	26·1	BURNLEY.
COVENTRY	102·4	102·4	102·2	101·3	101·5	101·3	101·0	101·6	102·0	102·9	100·7	99·4	81·4	26·5	COVENTRY.
CROYDON	102·1	103·6	104·7	104·7	104·9	105·5	106·0	107·3	108·8	111·2	117·5	133·3	154·4	169·7	CROYDON.
DERBY	101·6	102·4	102·5	102·4	102·4	102·4	102·4	102·2	101·5	102·6	103·3	88·5	61·1	56·0	DERBY.
GATESHEAD	98·8	96·2	95·0	94·9	94·6	94·5	93·6	92·4	90·8	87·7	81·4	71·4	54·7	21·1	GATESHEAD.
HALIFAX	100·8	101·5	101·7	101·7	101·3	101·3	101·4	101·9	101·4	100·0	96·1	82·3	47·7	38·0	HALIFAX.
HUDDERSFIELD	99·4	99·3	99·3	99·5	99·5	99·5	99·3	100·1	98·7	96·9	90·6	77·1	53·0	20·9	HUDDERSFIELD.
KINGSTON UPON HULL	98·4	97·2	97·0	96·6	96·7	96·5	96·3	95·5	94·7	93·5	90·6	83·5	75·8	62·0	KINGSTON UPON HULL.
LEEDS	97·9	97·1	96·2	95·7	95·4	95·0	94·8	94·6	94·0	92·7	88·2	78·0	50·6	16·6	LEEDS.
LEICESTER	99·4	99·6	99·6	99·4	99·6	99·2	98·9	98·9	98·9	98·6	99·3	92·1	88·1	87·6	LEICESTER.
LIVERPOOL	96·9	93·7	91·5	91·0	90·5	90·1	89·9	88·7	85·7	80·2	70·6	57·0	41·8	37·8	LIVERPOOL.
MANCHESTER	97·4	95·7	94·6	94·1	93·9	93·5	93·3	92·9	91·0	86·7	79·2	64·7	50·3	50·6	MANCHESTER.
MIDDLESBROUGH	97·5	93·9	90·5	89·7	89·2	89·0	88·6	88·7	85·3	84·7	74·0	61·4	37·1	53·2	MIDDLESBROUGH.
NEWCASTLE UPON TYNE	99·4	98·5	97·4	96·8	96·5	96·2	96·0	95·1	94·4	91·4	83·9	73·1	60·8	50·6	NEWCASTLE UPON TYNE.
NORWICH	100·0	100·6	100·2	100·0	100·2	100·1	99·5	100·3	101·8	103·9	112·4	123·7	139·2	189·7	NORWICH.
NOTTINGHAM	96·7	96·0	95·1	95·3	95·5	95·5	95·5	95·2	95·0	93·5	92·7	87·8	71·0	36·6	NOTTINGHAM.
OLDHAM	97·9	96·5	95·5	95·1	94·8	94·2	93·6	92·3	91·1	85·8	75·6	57·2	40·8	9·5	OLDHAM.
PLYMOUTH	98·3	97·7	97·9	97·4	97·4	96·8	96·4	95·6	95·0	94·1	93·8	97·1	96·7	164·1	PLYMOUTH.
PORTSMOUTH	100·9	101·6	101·3	99·9	99·6	99·4	99·3	99·9	99·7	100·0	101·8	104·1	93·4	88·1	PORTSMOUTH.
PRESTON	96·2	96·0	94·2	92·9	92·3	91·8	91·6	91·4	89·6	88·7	78·9	61·9	36·4	31·5	PRESTON.
SALFORD	97·3	95·1	93·7	93·3	93·0	92·8	92·8	92·1	90·0	86·9	78·0	62·6	38·1	38·0	SALFORD.
SHEFFIELD	99·4	97·9	96·7	96·5	96·6	96·6	96·6	96·6	96·1	94·5	91·4	85·3	62·5	61·8	SHEFFIELD.
SOUTHAMPTON	100·6	100·6	101·6	101·2	101·2	101·4	102·0	102·1	101·4	100·4	103·3	104·2	128·3	151·5	SOUTHAMPTON.
SOUTH SHIELDS	98·8	97·1	96·5	96·4	96·3	95·8	95·3	92·8	89·8	87·5	81·4	62·8	48·8	59·3	SOUTH SHIELDS.
STOCKPORT	97·0	96·5	96·1	96·2	96·0	96·0	96·3	95·9	94·3	92·6	85·3	73·7	48·4	65·6	STOCKPORT.
STOKE ON TRENT	94·9	94·1	92·8	92·5	92·0	91·8	91·6	90·4	87·2	82·5	74·5	59·6	43·9	67·2	STOKE ON TRENT.
SUNDERLAND	97·7	96·0	94·8	94·2	93·8	93·7	93·8	93·0	91·0	88·3	82·2	74·4	55·1	56·8	SUNDERLAND.
WEST HAM	99·0	97·2	96·4	96·3	96·3	96·5	96·7	96·6	95·7	93·0	90·1	84·3	76·8	27·0	WEST HAM.
CARDIFF	98·4	98·6	98·2	97·9	97·7	97·7	97·3	96·2	94·8	93·8	89·7	84·8	100·5	82·3	CARDIFF.
SWANSEA	99·1	97·8	96·8	96·1	96·1	95·7	95·3	94·0	92·1	89·7	84·5	79·1	93·6	139·3	SWANSEA.
Rural Districts in Norfolk and Suffolk	102·7	104·5	106·0	106·7	107·0	107·2	106·8	106·2	107·6	112·0	119·6	138·5	166·9	152·4	Rural Districts in Norfolk and Suffolk

TABLE XI.—*Ratio per cent. of Expectations of Life at several ages to those in England and Wales at the same ages, 1911–12. Males.*

Area	Age 0	1	2	5	10	15	20	25	35	45	55	65	75	85	Area
SUMMARY.															SUMMARY.
All Areas — North	93·8	95·2	96·0	96·5	96·5	96·3	96·2	95·9	95·1	93·8	92·4	91·1	90·8	95·3	All Areas — North.
All Areas — Midlands	104·2	103·6	103·0	102·8	102·9	103·1	103·3	103·6	104·3	104·7	104·9	104·1	102·5	98·6	All Areas — Midlands.
All Areas — South (including London)	103·4	101·6	101·2	100·9	100·8	100·9	100·8	100·8	101·0	101·9	103·2	104·6	105·3	103·6	All Areas — South (including London).
All Areas — ,, (excluding London)	109·3	106·1	104·8	104·1	104·2	104·4	104·7	105·1	106·3	107·7	109·1	109·3	109·4	104·2	All Areas — ,, (excluding London).
All Areas — Wales	99·6	100·7	100·5	100·3	100·3	100·3	100·6	100·8	100·9	101·0	100·5	100·1	100·8	108·7	All Areas — Wales.
All Areas — England and Wales	100·0	100·0	100·0	100·0	100·0	100·0	100·0	100·0	100·0	100·0	100·0	100·0	100·0	100·0	All Areas — England and Wales.
London	96·8	96·3	96·9	97·0	96·8	96·6	96·1	95·5	94·5	94·4	95·1	96·9	97·3	101·7	London.
County Boroughs — North	89·5	91·5	92·9	93·7	93·5	93·1	92·6	92·0	90·5	88·9	87·4	86·7	87·8	96·1	County Boroughs — North.
County Boroughs — Midlands	95·8	97·5	98·1	98·5	98·5	98·3	98·2	98·0	97·6	97·1	96·7	95·8	94·4	92·7	County Boroughs — Midlands.
County Boroughs — South	103·2	101·7	101·0	100·7	100·9	100·8	100·7	100·6	100·8	102·3	103·6	104·2	107·2	107·0	County Boroughs — South.
County Boroughs — Wales	95·4	96·4	96·7	97·1	96·8	96·5	96·5	96·2	95·9	95·3	95·4	96·6	97·6	102·0	County Boroughs — Wales.
County Boroughs — England and Wales	92·9	94·5	95·4	96·0	95·9	95·6	95·3	94·9	94·0	93·1	92·4	92·3	93·6	97·2	County Boroughs — England and Wales.
Other Urban Districts — North	96·0	97·1	97·6	97·9	97·9	97·8	98·0	97·9	97·2	95·5	93·3	90·8	89·3	92·7	Other Urban Districts — North.
Other Urban Districts — Midlands	105·3	104·4	103·7	103·3	103·5	103·6	103·9	104·2	104·7	104·9	104·7	104·1	104·4	103·6	Other Urban Districts — Midlands.
Other Urban Districts — South	108·0	105·2	103·9	103·3	103·4	103·6	103·8	104·1	105·0	105·9	106·8	107·0	108·6	105·3	Other Urban Districts — South.
Other Urban Districts — Wales	97·4	99·5	99·8	99·8	99·8	99·8	99·9	99·9	99·4	98·6	97·3	96·2	98·0	103·1	Other Urban Districts — Wales.
Other Urban Districts — England and Wales	101·5	101·4	101·2	101·1	101·1	101·2	101·4	101·5	101·6	101·1	100·4	99·5	100·2	101·7	Other Urban Districts — England and Wales.
Rural Districts — North	104·2	104·2	103·7	103·5	103·7	104·1	104·6	105·1	106·1	107·0	106·0	103·1	97·6	93·3	Rural Districts — North.
Rural Districts — Midlands	112·1	108·9	107·2	106·3	106·5	107·0	107·5	108·3	110·1	111·3	111·7	109·9	105·5	97·8	Rural Districts — Midlands.
Rural Districts — South	114·6	109·9	108·0	106·9	107·0	107·5	108·0	108·8	110·8	112·5	113·9	113·8	110·8	102·5	Rural Districts — South.
Rural Districts — Wales	105·6	104·9	103·5	102·7	102·8	103·0	103·5	104·3	105·6	107·0	106·8	106·0	103·9	114·0	Rural Districts — Wales.
Rural Districts — England and Wales	110·1	107·7	106·3	105·5	105·7	106·1	106·6	107·3	109·0	110·3	110·7	109·2	105·5	99·7	Rural Districts — England and Wales.
Administrative Counties.															*Administrative Counties.*
BEDFORDSHIRE	109·5	107·4	106·1	105·0	105·0	105·4	105·6	106·0	107·3	108·4	108·8	107·4	102·5	103·1	BEDFORDSHIRE.
BERKSHIRE	113·9	108·7	107·0	106·1	105·8	106·1	106·5	107·1	109·2	110·6	112·5	112·2	111·1	117·3	BERKSHIRE.
BUCKINGHAMSHIRE	112·3	108·3	106·5	105·6	105·8	106·1	106·5	107·0	108·5	109·0	108·8	106·6	105·5	104·7	BUCKINGHAMSHIRE.
CAMBRIDGESHIRE	108·7	104·8	103·8	103·5	104·4	104·8	105·1	105·8	107·5	108·9	109·8	107·8	103·8	84·9	CAMBRIDGESHIRE.
CHESHIRE	101·3	101·1	100·6	100·3	100·2	100·4	100·5	100·5	100·1	99·3	97·8	94·9	90·9	100·0	CHESHIRE.
CORNWALL	103·2	102·5	101·3	100·3	100·3	100·6	101·1	101·7	102·8	103·9	104·9	103·9	106·6	102·2	CORNWALL.
CUMBERLAND	99·7	99·8	99·3	99·4	99·2	99·4	99·1	99·2	99·4	100·0	98·5	97·5	95·0	87·7	CUMBERLAND.
DERBYSHIRE	103·5	104·1	103·6	103·5	103·8	104·2	104·6	104·5	104·5	103·9	101·5	98·3	94·0	89·7	DERBYSHIRE.
DEVONSHIRE	109·3	105·9	104·3	103·8	103·9	104·2	104·6	105·2	107·6	109·2	111·0	111·8	113·2	106·4	DEVONSHIRE.
DORSETSHIRE	114·4	109·4	107·5	106·6	107·1	107·7	107·9	107·9	109·5	110·5	111·4	110·9	106·3	95·3	DORSETSHIRE.

Durham	96·2	98·6	99·5	100·0	100·2	100·3	100·8	100·9	101·1	100·3	99·2	95·3	93·9	88·3	Durham.
Ely, Isle of	107·1	106·9	106·5	106·1	106·0	106·6	106·9	108·0	111·5	113·3	114·8	113·9	115·2	89·9	Ely, Isle of.
Essex	109·7	106·8	105·4	104·8	104·9	105·2	105·8	106·5	107·6	109·0	109·7	110·7	110·3	108·4	Essex.
Gloucestershire	110·1	106·6	104·9	103·9	103·7	104·0	104·1	104·7	105·8	106·0	106·0	103·5	103·4	96·9	Gloucestershire.
Herefordshire	111·7	107·3	105·9	104·6	104·5	104·5	104·6	105·3	105·9	106·5	105·7	101·9	102·7	103·1	Herefordshire.
Hertfordshire	113·6	109·2	107·2	106·0	106·0	106·3	106·8	107·1	107·9	109·2	109·3	106·0	102·8	102·2	Hertfordshire.
Huntingdonshire	114·7	110·0	108·8	108·1	108·2	108·7	109·2	110·7	112·2	112·8	113·3	110·0	103·3	98·3	Huntingdonshire.
Kent	108·4	106·1	104·9	104·4	104·6	104·9	105·2	105·7	107·1	108·5	109·9	110·2	108·9	104·5	Kent.
Lancashire	95·7	97·0	97·1	97·4	97·2	97·1	97·1	97·0	96·1	94·3	92·0	90·3	89·3	94·1	Lancashire.
Leicestershire	108·3	106·4	105·2	104·5	104·7	105·0	105·6	106·0	107·3	107·8	108·3	105·9	100·8	97·8	Leicestershire.
Lincolnshire: Holland	108·0	107·6	106·4	105·3	105·9	106·4	106·6	107·0	109·4	111·0	112·4	111·0	110·2	108·7	Lincolnshire: Holland.
,, Kesteven	112·5	109·2	107·2	106·4	106·3	107·2	108·0	108·2	109·7	112·4	111·4	110·7	108·5	112·0	,, Kesteven.
,, Lindsey	111·4	109·6	108·0	107·3	107·6	108·3	109·0	110·2	112·7	113·5	114·5	115·6	111·8	101·1	,, Lindsey.
London	96·8	96·3	96·9	97·0	96·8	96·6	96·1	95·5	94·5	94·4	95·1	96·9	97·3	101·7	London.
Middlesex	108·1	106·3	105·4	104·8	105·0	105·2	105·4	105·6	106·2	106·4	106·6	108·0	109·6	103·4	Middlesex.
Monmouthshire	99·5	101·1	101·7	101·7	101·6	101·8	101·8	101·9	101·6	101·4	100·8	100·6	105·0	114·8	Monmouthshire.
Norfolk	113·5	110·5	108·5	107·4	107·4	107·9	108·4	109·5	112·1	113·8	114·3	113·4	108·6	93·9	Norfolk.
Northamptonshire	109·9	107·0	105·5	104·9	105·3	105·9	106·4	107·3	108·9	109·5	109·4	108·6	103·9	88·0	Northamptonshire.
Northumberland	102·4	102·4	102·1	101·8	101·7	102·1	102·8	103·1	104·2	103·6	102·1	99·6	94·4	97·5	Northumberland.
Nottinghamshire	105·9	106·1	105·4	105·7	105·9	106·3	106·8	107·4	108·4	109·1	109·1	105·8	103·1	97·8	Nottinghamshire.
Oxfordshire	113·6	109·3	107·4	106·7	106·8	107·4	107·8	108·6	109·7	111·1	112·2	110·0	104·7	108·9	Oxfordshire.
Peterborough, Soke of	106·4	105·3	104·9	105·1	106·0	106·1	107·2	107·1	107·4	109·5	111·0	108·2	104·2	80·7	Peterborough, Soke of.
Rutlandshire	117·3	111·0	108·7	107·1	107·4	108·4	108·4	108·8	111·8	111·5	112·0	113·5	117·7	153·1	Rutlandshire.
Shropshire	109·8	106·7	105·2	104·2	104·2	104·4	104·5	104·7	105·6	105·8	105·8	105·4	104·2	108·7	Shropshire.
Somersetshire	111·9	107·7	105·7	104·4	104·0	104·2	104·6	105·0	105·9	106·4	105·7	106·3	104·9	100·3	Somersetshire.
Southampton	111·6	107·7	106·0	105·2	105·3	105·8	105·9	106·4	108·1	110·3	112·2	112·0	111·4	96·6	Southampton.
Staffordshire	99·7	100·7	100·8	101·1	101·2	101·1	101·2	101·3	101·5	101·5	101·4	99·4	96·7	103·6	Staffordshire.
Suffolk, East	114·0	110·4	108·6	107·7	107·6	108·0	108·7	109·6	112·5	114·6	116·4	115·6	110·2	104·7	Suffolk, East.
,, West	112·6	108·2	106·3	105·1	104·8	105·1	105·3	106·4	108·1	110·3	112·1	113·9	117·7	94·1	,, West.
Surrey	114·2	110·0	108·3	107·6	107·9	108·3	109·0	109·6	110·7	112·5	114·2	116·1	116·9	110·3	Surrey.
Sussex, East	115·7	109·7	107·6	106·5	106·4	106·7	107·7	108·2	109·6	110·9	112·2	109·7	108·0	99·2	Sussex, East.
,, West	112·9	108·6	106·8	105·9	106·2	106·3	106·9	107·7	109·4	110·9	115·0	114·5	118·5	105·6	,, West.
Warwickshire	106·7	105·7	104·8	104·6	104·8	105·0	105·2	105·8	106·5	107·3	108·0	105·9	102·4	109·5	Warwickshire.
Westmorland	111·1	107·2	105·4	104·8	105·2	105·4	105·0	106·1	107·3	108·4	106·6	103·4	105·8	83·0	Westmorland.
Wight, Isle of	113·5	107·4	106·3	105·6	105·5	105·5	105·5	105·4	106·5	108·6	110·0	111·7	110·5	109·5	Wight, Isle of.
Wiltshire	113·7	108·9	106·9	105·8	106·1	106·4	106·7	107·0	108·6	109·1	108·8	107·9	102·2	105·0	Wiltshire.
Worcestershire	105·9	104·2	103·7	103·4	103·5	103·7	103·9	104·3	104·5	104·1	104·3	103·2	100·6	91·6	Worcestershire.
Yorkshire, East Riding	110·9	108·0	106·4	105·4	105·5	105·8	106·4	106·9	109·3	110·2	109·9	108·8	102·0	86·9	Yorkshire, East Riding.
,, North ,,	101·5	100·7	101·1	101·5	102·0	102·2	102·9	103·2	104·4	105·3	105·5	102·5	98·9	103·4	,, North ,,
,, West ,,	97·9	98·7	99·2	99·4	99·5	99·5	99·8	99·9	99·4	97·9	95·5	92·7	89·8	90·8	,, West ,,
Anglesey	103·9	105·0	103·8	102·6	102·4	102·6	102·4	102·9	104·2	104·9	104·3	104·5	104·4	126·0	Anglesey.
Brecknockshire	101·4	103·2	102·6	102·1	102·3	102·6	103·4	103·0	103·0	103·9	105·4	107·8	115·7	149·2	Brecknockshire.
Cardiganshire	100·6	101·2	99·2	97·5	97·4	97·3	97·2	98·2	102·6	104·5	104·2	101·7	106·6	107·5	Cardiganshire.
Carmarthenshire	102·1	102·5	101·4	100·6	101·1	101·5	102·2	102·6	103·7	104·2	103·4	100·2	96·4	105·0	Carmarthenshire.
Carnarvonshire	101·7	100·6	99·6	99·0	98·8	99·2	99·8	100·2	101·0	101·7	100·4	100·1	101·6	114·5	Carnarvonshire.
Denbighshire	103·0	104·1	103·1	102·5	103·0	103·0	103·3	103·6	103·5	103·7	102·4	97·6	93·7	92·5	Denbighshire.
Flintshire	103·2	101·4	100·5	100·1	99·4	99·4	99·1	99·5	100·3	100·5	97·9	95·7	93·7	97·5	Flintshire.
Glamorganshire	98·5	100·7	100·8	100·8	100·8	100·9	101·1	101·3	100·7	100·0	98·9	98·9	103·9	107·0	Glamorganshire.
Merionethshire	102·5	100·3	98·3	98·0	98·0	97·3	97·8	98·9	100·4	98·3	95·5	95·0	92·8	81·0	Merionethshire.
Montgomeryshire	111·9	108·8	106·6	105·2	105·4	105·3	105·8	106·4	109·4	110·3	111·5	107·3	94·0	112·8	Montgomeryshire.
Pembrokeshire	105·4	102·5	100·7	99·9	99·7	99·5	100·4	100·6	103·1	106·9	108·8	109·8	108·2	128·5	Pembrokeshire.
Radnorshire	113·7	110·1	108·6	107·7	107·9	108·4	108·5	109·7	114·3	119·5	117·5	120·1	113·8	91·1	Radnorshire.

TABLE XI.—*Ratio per cent. of Expectations of Life at several ages to those in England and Wales at the same ages.* 1911-12. *Males—contd.*

Area	Age 0	1	2	5	10	15	20	25	35	45	55	65	75	85	Area
Administrative Counties with Urban and Rural Aggregates containing more than 200,000 population in each.															*Administrative Counties with Urban and Rural Aggregates containing more than 200,000 population in each.*
DERBYSHIRE :															DERBYSHIRE :
Urban Districts	102·2	103·3	103·1	103·0	103·3	103·5	104·1	104·1	103·4	102·6	99·9	95·6	91·5	90·8	Urban Districts.
Rural Districts	104·8	104·8	104·1	103·9	104·2	104·7	105·0	105·0	105·5	105·2	103·0	100·9	96·1	88·8	Rural Districts.
DEVONSHIRE :															DEVONSHIRE :
Urban Districts	105·3	102·1	101·1	100·9	101·0	100·9	101·4	101·8	103·9	105·9	107·9	109·6	115·2	109·5	Urban Districts.
Rural Districts	113·2	109·7	107·5	106·6	106·8	107·5	107·8	108·7	111·5	112·5	114·4	114·8	111·4	104·2	Rural Districts.
DURHAM :															DURHAM :
Urban Districts	94·6	96·2	97·3	98·1	98·1	98·1	98·3	98·2	97·9	96·5	94·9	91·0	91·2	92·2	Urban Districts.
Rural Districts	98·4	101·9	102·5	102·7	103·1	103·4	104·3	104·8	105·6	105·7	105·2	101·1	96·7	84·6	Rural Districts.
ESSEX :															ESSEX :
Urban Districts	108·0	105·6	104·4	103·8	104·1	104·3	104·9	105·5	106·3	107·1	107·6	109·6	111·9	117·0	Urban Districts.
Rural Districts	114·6	110·2	108·1	107·0	106·8	107·2	107·7	108·9	110·9	113·6	114·4	113·1	108·8	100·0	Rural Districts.
KENT :															KENT :
Urban Districts	106·2	104·1	103·0	102·6	102·8	103·0	103·1	103·3	104·0	104·4	104·6	104·4	102·2	93·6	Urban Districts.
Rural Districts	113·2	110·2	108·8	108·1	108·2	108·9	109·5	110·6	113·1	116·5	119·6	120·1	120·2	122·1	Rural Districts.
LANCASHIRE :															LANCASHIRE :
Urban Districts	94·2	95·8	96·2	96·4	96·3	96·1	96·0	95·8	94·7	92·4	89·8	87·6	86·4	94·4	Urban Districts.
Rural Districts	105·7	104·1	102·9	103·0	103·2	103·7	103·7	103·9	104·8	105·4	103·7	102·4	100·9	93·3	Rural Districts.
SOUTHAMPTON :															SOUTHAMPTON :
Urban Districts	107·5	104·8	103·5	103·1	103·4	103·6	103·7	104·0	105·1	107·5	110·3	110·5	111·1	103·1	Urban Districts.
Rural Districts	115·4	110·2	108·4	107·0	107·0	107·6	107·8	108·3	110·5	112·4	113·5	113·0	111·6	93·9	Rural Districts.
STAFFORDSHIRE :															STAFFORDSHIRE :
Urban Districts	96·7	98·5	99·1	99·6	99·7	99·5	99·4	99·2	98·9	98·5	97·5	95·3	92·9	104·2	Urban Districts.
Rural Districts	107·6	106·3	105·1	104·5	104·5	104·8	105·2	105·9	107·4	108·0	109·5	107·3	103·1	102·8	Rural Districts.
SURREY :															SURREY :
Urban Districts	113·2	109·6	108·0	107·0	107·2	107·6	108·1	108·6	109·5	111·0	112·2	114·3	118·5	120·7	Urban Districts.
Rural Districts	116·3	110·8	109·0	108·6	109·3	109·7	110·6	111·6	113·2	115·3	118·0	119·3	114·4	93·9	Rural Districts.
YORKSHIRE, WEST RIDING :															YORKSHIRE, WEST RIDING :
Urban Districts	96·5	97·6	98·2	98·5	98·6	98·6	98·8	98·7	97·8	95·5	92·9	89·7	87·6	89·7	Urban Districts.
Rural Districts	102·2	102·3	102·5	102·4	102·4	102·6	103·1	103·7	104·7	106·0	104·2	101·7	94·7	92·7	Rural Districts.

GLAMORGANSHIRE :														GLAMORGANSHIRE :
Urban Districts	96·4	99·4	99·8	100·0	100·0	100·1	100·2	100·2	99·4	98·2	96·7	95·1	98·9	97·2	Urban Districts.
Rural Districts	104·0	104·0	103·0	102·6	102·7	102·8	103·0	103·7	103·6	104·2	103·6	106·0	111·8	120·4	Rural Districts.
County Boroughs with populations exceeding 100,000.															*County Boroughs with populations exceeding* 100,000.
BIRKENHEAD	93·1	93·0	94·1	94·5	94·6	94·2	93·6	92·9	92·0	90·6	90·6	92·5	90·4	115·1	BIRKENHEAD.
BIRMINGHAM	92·5	95·4	96·7	97·6	97·6	97·2	96·6	96·1	95·3	94·7	93·7	94·4	92·5	97·2	BIRMINGHAM.
BLACKBURN	90·8	95·3	96·2	96·2	96·1	95·6	95·8	95·1	93·6	92·2	89·8	87·7	90·4	84·4	BLACKBURN.
BOLTON	92·0	93·5	93·6	93·6	93·3	93·0	92·6	92·0	89·6	86·3	84·3	80·7	91·1	141·9	BOLTON.
BRADFORD	95·5	96·1	95·9	95·5	95·4	95·2	94·6	93·9	92·5	90·7	88·7	87·1	85·6	93·9	BRADFORD.
BRIGHTON	105·8	102·1	101·3	100·4	100·3	100·0	99·5	99·1	99·5	101·1	101·3	102·9	103·9	110·1	BRIGHTON.
BRISTOL	97·2	98·7	98·5	98·8	98·7	98·6	98·3	98·5	98·4	98·2	97·2	94·9	93·7	88·3	BRISTOL.
BURNLEY	86·8	94·6	96·1	96·5	96·2	96·4	95·7	95·2	93·2	89·3	84·9	78·1	80·4	99·7	BURNLEY.
COVENTRY	101·3	98·9	99·2	100·2	101·3	101·3	101·5	100·9	99·8	97·8	96·4	98·7	96·4	99·2	COVENTRY.
CROYDON	108·1	105·6	104·2	103·9	104·2	104·4	104·7	105·4	106·3	107·3	108·5	110·7	117·7	125·1	CROYDON.
DERBY	103·0	102·1	102·2	101·8	101·6	101·5	102·1	102·5	102·3	101·6	99·5	98·2	100·3	75·1	DERBY.
GATESHEAD	90·8	91·5	93·7	94·6	94·5	94·3	94·1	93·7	93·2	92·3	89·8	87·2	85·3	123·2	GATESHEAD.
HALIFAX	98·4	97·0	95·4	95·6	95·7	94·8	94·7	94·3	92·7	88·8	85·7	87·4	79·3	84·9	HALIFAX.
HUDDERSFIELD	97·3	97·2	96·0	95·9	95·6	96·0	95·9	95·3	93·3	91·5	87·1	86·2	86·7	147·5	HUDDERSFIELD.
KINGSTON UPON HULL	94·1	95·9	96·1	96·1	95·7	95·3	94·7	94·6	93·8	92·3	92·0	91·3	86·7	114·0	KINGSTON UPON HULL.
LEEDS	91·9	93·7	94·5	95·0	95·1	94·7	94·5	94·0	93·2	92·1	89·6	86·2	85·9	82·7	LEEDS.
LEICESTER	99·5	100·6	100·2	100·4	100·2	100·2	100·7	100·7	101·4	100·7	100·4	100·7	100·0	95·3	LEICESTER.
LIVERPOOL	82·1	84·5	87·5	89·2	89·0	88·0	87·2	86·2	84·6	83·3	83·0	86·2	91·7	94·7	LIVERPOOL.
MANCHESTER	86·4	89·3	90·7	91·8	91·4	90·8	90·3	89·3	87·6	86·0	84·9	85·3	87·9	97·8	MANCHESTER.
MIDDLESBROUGH	79·2	83·3	88·1	90·8	91·0	90·8	90·8	90·0	88·3	87·8	88·4	88·8	92·2	138·8	MIDDLESBROUGH.
NEWCASTLE UPON TYNE	92·5	93·1	94·5	94·6	94·5	94·2	93·8	93·8	92·8	91·1	90·5	88·9	86·5	80·4	NEWCASTLE UPON TYNE.
NORWICH	100·8	102·2	101·8	102·2	102·6	102·8	103·2	103·6	104·6	104·0	103·3	105·1	98·4	106·1	NORWICH.
NOTTINGHAM	93·7	96·4	97·5	98·0	97·8	97·5	97·3	96·9	96·4	96·6	96·7	95·9	91·1	90·5	NOTTINGHAM.
OLDHAM	87·5	90·9	91·8	92·4	92·1	91·5	90·9	89·7	87·0	83·9	81·4	79·0	82·0	100·8	OLDHAM.
PLYMOUTH	95·1	96·0	96·4	96·4	96·1	95·6	95·7	95·3	94·9	97·5	97·6	99·2	97·5	108·7	PLYMOUTH.
PORTSMOUTH	99·2	98·5	98·2	98·3	99·1	99·1	98·6	97·8	96·5	97·7	98·7	99·4	104·7	84·4	PORTSMOUTH.
PRESTON	87·3	90·8	91·5	92·7	93·0	92·1	91·7	91·1	89·1	86·8	84·1	83·3	82·4	88·3	PRESTON.
SALFORD	85·6	88·5	90·0	90·9	90·5	89·8	89·0	88·4	86·8	85·5	83·0	84·4	90·9	85·2	SALFORD.
SHEFFIELD	91·6	93·1	94·6	95·6	95·3	95·0	94·4	93·8	91·7	89·5	88·4	86·6	88·9	90·5	SHEFFIELD.
SOUTHAMPTON	98·8	98·7	97·8	96·7	96·1	95·3	94·8	94·3	94·9	95·8	97·6	95·8	99·8	84·1	SOUTHAMPTON.
SOUTH SHIELDS	89·8	91·2	92·7	92·6	92·0	91·0	90·6	90·2	88·7	86·4	85·0	81·2	75·7	81·0	SOUTH SHIELDS.
STOCKPORT	91·3	94·3	94·5	95·2	94·9	94·5	93·7	92·9	91·1	89·0	88·0	86·6	94·4	112·3	STOCKPORT.
STOKE ON TRENT	84·6	90·3	91·6	92·2	92·0	91·2	90·5	89·5	87·5	84·1	82·5	80·7	86·1	88·0	STOKE ON TRENT.
SUNDERLAND	89·1	91·1	92·7	93·7	93·4	93·3	92·9	92·8	92·6	92·3	92·6	90·9	89·8	82·1	SUNDERLAND.
WEST HAM	93·8	94·7	95·8	96·8	96·5	96·4	96·4	96·4	95·7	95·2	94·9	93·3	91·7	77·7	WEST HAM.
CARDIFF	96·0	96·6	96·5	96·7	96·3	95·7	95·6	94·8	94·0	93·0	93·2	94·5	92·0	93·6	CARDIFF.
SWANSEA	95·2	95·7	95·8	96·4	96·4	96·2	96·1	96·3	96·6	96·0	95·3	97·1	102·4	114·5	SWANSEA.
Rural Districts of Norfolk and Suffolk	115·3	111·6	109·5	108·3	108·3	108·9	109·6	110·9	114·0	116·2	117·4	117·3	111·6	96·9	Rural Districts of Norfolk and Suffolk

TABLE XII.—*Ratio per cent. of Expectations of Life at several ages to those in England and Wales at the same ages*, 1911–12. *Females.*

Area.	Age. 0	1	2	5	10	15	20	25	35	45	55	65	75	85	Area.
SUMMARY.															SUMMARY.
All Areas — North	93·8	95·1	95·8	96·3	96·2	96·0	95·8	95·5	94·7	93·4	91·5	89·9	88·6	93·3	All Areas — North.
All Areas — Midlands	103·5	102·8	102·4	102·2	102·2	102·3	102·4	102·6	103·1	103·5	103·8	103·8	103·2	101·2	All Areas — Midlands.
All Areas — South (including London)	104·6	103·3	102·8	102·5	102·6	102·8	102·9	102·9	103·1	103·8	105·1	105·9	105·0	101·2	All Areas — South (including London).
All Areas — ,, (excluding London)	109·4	106·8	105·4	104·6	104·7	105·0	105·4	105·7	106·6	107·5	108·8	109·1	107·4	103·5	All Areas — ,, (excluding London).
All Areas — Wales	96·9	97·7	97·5	97·3	97·0	96·7	96·9	96·8	97·4	97·6	97·4	98·3	101·0	106·0	All Areas — Wales.
All Areas — England and Wales	100·0	100·0	100·0	100·0	100·0	100·0	100·0	100·0	100·0	100·0	100·0	100·0	100·0	100·0	All Areas — England and Wales.
London	99·1	99·0	99·5	99·8	99·7	99·7	99·5	99·1	98·5	98·6	99·5	100·7	100·7	97·0	London.
County Boroughs — North	90·8	92·5	93·8	94·6	94·5	94·3	94·0	93·5	92·2	90·7	88·8	87·5	86·7	93·3	County Boroughs — North.
County Boroughs — Midlands	96·1	97·4	98·0	98·5	98·6	98·4	98·2	98·1	97·6	97·4	97·5	96·6	95·6	97·5	County Boroughs — Midlands.
County Boroughs — South	105·3	104·0	103·2	102·8	103·3	103·5	103·8	104·0	104·5	105·4	106·8	107·0	105·5	102·7	County Boroughs — South.
County Boroughs — Wales	93·7	95·1	95·5	95·9	95·9	95·6	95·5	95·3	95·4	95·5	95·9	98·9	107·9	107·2	County Boroughs — Wales.
County Boroughs — England and Wales	94·0	95·3	96·2	96·8	96·8	96·7	96·4	96·2	95·4	94·7	94·0	93·4	93·5	97·3	County Boroughs — England and Wales.
Urban Other Districts — North	95·1	96·3	96·7	97·0	97·0	96·8	96·6	96·4	95·7	94·2	92·0	89·9	87·4	93·1	Other Urban Districts — North.
Urban Other Districts — Midlands	105·0	104·0	103·4	103·0	103·0	103·2	103·4	103·5	103·9	104·1	104·1	104·2	104·0	103·2	Other Urban Districts — Midlands.
Urban Other Districts — South	109·0	106·6	105·4	104·8	105·0	105·3	105·5	105·7	106·4	107·1	108·6	109·2	107·8	104·0	Other Urban Districts — South
Urban Other Districts — Wales	95·4	96·8	97·1	97·1	96·7	96·4	96·1	96·0	96·0	95·9	95·3	96·9	100·3	117·9	Other Urban Districts — Wales.
Urban Other Districts — England and Wales	101·2	101·1	100·9	100·8	100·8	100·9	100·9	100·9	101·0	100·8	100·4	100·2	100·0	102·0	Other Urban Districts — England and Wales.
Rural Districts — North	101·9	101·6	101·1	100·7	100·6	100·7	100·7	100·8	101·5	101·3	100·0	98·9	96·8	94·0	Rural Districts — North.
Rural Districts — Midlands	109·6	106·9	105·3	104·4	104·3	104·6	105·0	105·6	107·2	108·4	108·8	109·0	107·2	101·5	Rural Districts — Midlands.
Rural Districts — South	112·5	108·6	106·7	105·4	105·3	105·7	106·1	106·7	108·0	109·2	110·2	110·2	108·0	103·2	Rural Districts — South.
Rural Districts — Wales	101·4	100·4	99·1	98·1	97·8	97·6	97·9	98·4	99·9	100·7	100·4	99·5	99·9	98·8	Rural Districts — Wales.
Rural Districts — England and Wales	107·7	105·5	104·2	103·2	103·2	103·4	103·7	104·2	105·6	106·5	106·7	106·6	105·1	100·7	Rural Districts — England and Wales.
Administrative Counties.															*Administrative Counties.*
BEDFORDSHIRE	107·0	105·9	104·8	104·1	104·2	104·2	104·9	105·1	106·0	106·8	107·5	106·9	108·2	106·9	BEDFORDSHIRE.
BERKSHIRE	112·8	108·3	106·4	105·3	105·2	105·6	105·8	106·1	107·8	108·7	109·4	108·7	105·4	110·4	BERKSHIRE.
BUCKINGHAMSHIRE	110·1	107·5	105·8	104·9	105·0	105·1	105·8	106·6	107·3	107·2	106·6	106·2	104·0	103·2	BUCKINGHAMSHIRE.
CAMBRIDGESHIRE	111·2	108·1	106·7	106·1	107·0	107·6	108·0	108·5	110·2	111·1	112·2	115·2	116·9	106·0	CAMBRIDGESHIRE.
CHESHIRE	101·3	101·2	100·7	100·3	100·3	100·3	100·2	99·7	99·2	98·1	96·5	95·1	92·2	100·5	CHESHIRE.
CORNWALL	104·9	104·8	103·6	103·0	103·1	103·2	103·6	104·2	105·1	105·6	106·6	105·6	103·2	96·5	CORNWALL.
CUMBERLAND	98·0	98·3	97·9	98·0	97·8	97·6	97·5	97·5	97·9	97·1	96·2	93·7	96·8	97·5	CUMBERLAND.
DERBYSHIRE	101·0	101·3	100·8	100·5	100·5	100·4	100·5	100·4	100·3	99·7	98·0	95·0	91·8	96·3	DERBYSHIRE.
DEVONSHIRE	108·2	105·4	104·0	103·1	103·2	103·6	103·9	104·4	105·7	106·8	107·5	108·6	108·0	101·2	DEVONSHIRE.
DORSETSHIRE	111·4	107·7	105·4	104·2	104·3	104·2	104·5	105·0	105·8	106·9	107·4	106·9	104·7	102·5	DORSETSHIRE.

Durham	92·9	94·7	95·6	96·0	95·8	95·6	95·4	95·1	94·8	93·7	91·9	89·5	89·2	83·6
Ely, Isle of	106·7	106·0	104·8	103·9	104·1	104·0	105·1	106·1	107·4	110·3	109·8	110·9	112·5	119·4
Essex	108·9	106·3	105·3	104·3	104·2	104·3	104·7	104·9	105·6	106·6	107·4	108·3	106·1	102·5
Gloucestershire	110·3	107·2	105·4	104·2	103·9	104·3	104·7	105·4	106·7	107·4	107·7	107·0	106·2	98·3
Herefordshire	109·5	105·2	103·4	102·2	102·2	102·3	102·3	102·6	104·2	104·3	103·9	105·9	106·2	112·7
Hertfordshire	113·5	109·4	107·7	106·9	106·8	107·1	107·5	107·8	109·0	110·0	110·9	112·2	112·5	110·4
Huntingdonshire	111·2	108·5	107·4	106·4	106·3	105·9	106·5	108·3	109·4	110·0	110·7	111·5	106·1	97·0
Kent	108·6	106·4	105·4	104·8	104·9	105·3	105·5	105·9	106·8	108·2	110·2	111·4	111·1	111·2
Lancashire	95·2	96·5	96·6	96·7	96·6	96·4	96·3	96·1	95·1	93·4	91·0	89·0	86·5	93·3
Leicestershire	106·0	104·1	102·8	102·3	102·3	102·7	103·3	103·9	104·8	105·1	105·1	105·4	106·0	98·3
Lincolnshire: Holland	105·3	105·0	104·2	103·4	103·3	103·8	104·3	104·4	105·6	108·1	109·9	109·0	103·1	110·7
„ Kesteven	110·0	106·9	105·7	104·6	104·4	104·8	105·5	105·9	108·1	109·0	109·6	108·3	106·2	105·0
„ Lindsey	105·7	105·5	104·2	103·6	103·6	103·8	104·0	104·6	106·5	108·2	108·2	109·6	106·8	102·2
London	99·1	99·0	99·5	99·8	99·7	99·7	99·5	99·1	98·5	98·6	99·5	100·7	100·7	97·0
Middlesex	108·4	106·7	105·8	105·4	105·4	105·7	106·0	106·1	106·9	107·5	108·3	109·9	111·2	108·7
Monmouthshire	95·4	96·8	97·6	97·6	97·2	96·7	96·2	96·3	96·5	96·6	97·4	99·9	106·8	134·7
Norfolk	110·6	108·8	107·2	106·0	105·5	105·8	106·3	107·3	109·2	111·1	112·3	112·7	108·3	99·0
Northamptonshire	109·0	106·4	104·7	103·6	103·9	104·5	105·0	105·9	107·2	108·8	109·6	109·9	106·4	100·0
Northumberland	98·6	99·2	99·0	98·8	98·5	98·3	98·2	98·5	98·2	97·0	95·6	94·8	93·8	85·1
Nottinghamshire	102·9	102·3	101·9	101·6	101·6	101·6	101·8	102·0	102·2	101·5	101·0	98·5	103·3	89·3
Oxfordshire	111·5	107·4	105·5	105·0	104·8	105·1	105·4	106·0	106·9	107·7	109·4	110·4	112·6	98·0
Peterborough, Soke of	105·6	105·1	104·4	104·1	104·6	104·9	105·6	105·7	106·1	106·1	107·0	105·2	106·5	117·4
Rutlandshire	112·2	107·5	106·6	104·5	104·6	104·8	104·5	104·6	106·1	107·3	106·7	110·8	115·1	102·2
Shropshire	107·8	104·2	103·1	102·3	102·1	102·0	102·0	102·3	103·4	104·3	103·1	102·6	101·9	109·7
Somersetshire	111·0	107·0	105·0	103·7	103·7	103·9	104·3	104·6	105·4	105·4	106·6	106·9	104·7	101·2
Southampton	111·5	108·2	106·5	105·3	105·2	105·5	105·7	106·0	107·2	108·1	108·9	108·6	105·7	99·0
Staffordshire	98·6	98·9	99·0	99·0	98·9	98·9	99·0	98·9	98·9	98·4	96·9	95·0	91·4	98·8
Suffolk, East	109·1	106·9	105·5	104·3	104·2	104·5	104·6	105·4	107·5	108·2	107·7	109·6	104·9	92·1
„ West	108·5	105·7	104·2	103·2	102·7	102·6	102·7	103·3	105·3	107·2	109·3	108·5	110·5	93·3
Surrey	113·5	110·3	108·8	107·9	108·2	108·7	109·5	109·7	110·9	112·2	114·2	115·3	114·0	106·9
Sussex, East	114·5	110·3	108·2	107·1	107·0	107·4	107·6	107·9	108·9	109·4	110·8	112·3	113·9	106·5
„ West	114·6	110·1	108·2	107·5	107·6	107·9	108·2	108·8	109·8	111·0	113·2	111·4	109·3	104·2
Warwickshire	106·3	104·2	103·5	103·5	103·7	103·9	104·0	104·2	105·0	105·4	106·1	105·9	105·7	100·5
Westmorland	112·1	107·6	105·3	103·9	103·9	103·8	103·7	103·2	104·2	103·2	102·0	102·4	100·3	116·6
Wight, Isle of	112·3	108·4	106·3	105·0	104·8	105·0	105·2	105·5	106·9	108·4	110·0	111·6	108·5	99·0
Wiltshire	112·4	108·2	106·3	104·8	104·6	104·9	105·1	105·2	105·9	106·8	107·1	106·5	100·6	98·3
Worcestershire	105·9	104·6	104·5	103·9	103·9	104·3	104·7	104·9	105·5	106·1	106·8	107·6	107·2	107·4
Yorkshire, East Riding	108·0	106·8	105·1	104·1	104·4	104·6	105·0	105·6	107·1	108·5	109·2	114·2	113·3	116·1
„ North „	99·9	99·3	99·6	99·6	100·3	100·3	100·4	100·6	101·5	102·1	102·0	101·4	99·7	103·0
„ West „	96·9	97·4	97·7	97·9	98·0	97·9	97·7	97·6	97·3	96·0	93·2	90·2	85·4	87·1
Anglesey	100·8	100·1	98·6	96·8	96·9	97·5	98·1	99·2	101·8	103·9	106·1	106·3	106·4	98·0
Brecknockshire	99·5	99·3	99·0	98·0	97·8	97·7	98·0	98·9	99·9	102·4	102·9	105·7	111·2	148·1
Cardiganshire	100·1	98·1	96·1	95·7	94·5	94·4	95·1	95·9	98·7	99·8	100·9	96·3	97·2	107·9
Carmarthenshire	97·9	98·1	96·9	95·8	95·4	95·4	95·2	95·5	96·4	97·7	95·8	99·3	100·7	103·5
Carnarvonshire	97·8	98·6	98·0	97·4	97·5	97·6	98·2	98·6	99·6	100·5	99·5	99·2	94·3	100·2
Denbighshire	100·1	99·7	99·0	98·4	97·9	97·4	97·2	97·0	96·7	95·5	95·6	93·5	93·9	88·8
Flintshire	103·4	101·2	100·1	99·0	98·7	98·8	98·7	98·8	99·1	99·0	96·8	95·9	94·2	104·0
Glamorganshire	96·0	97·4	97·3	97·3	96·9	96·6	96·5	96·4	96·8	96·5	95·8	96·8	101·5	117·4
Merionethshire	98·6	98·0	97·1	95·6	95·2	94·4	94·1	94·6	97·6	99·8	99·7	99·3	98·1	84·9
Montgomeryshire	104·9	102·8	100·8	99·5	98·5	98·2	98·4	99·0	100·2	100·1	100·7	98·9	91·1	93·5
Pembrokeshire	103·5	101·6	99·8	98·5	98·7	98·6	98·8	98·5	99·1	99·0	97·2	96·4	97·6	87·6
Radnorshire	109·6	103·6	102·2	101·5	101·4	101·2	102·1	103·6	104·5	105·0	106·0	107·5	123·0	146·9

Durham. Ely, Isle of. Essex. Gloucestershire. Herefordshire. Hertfordshire. Huntingdonshire. Kent. Lancashire. Leicestershire. Lincolnshire: Holland. „ Kesteven. „ Lindsey. London. Middlesex. Monmouthshire. Norfolk. Northamptonshire. Northumberland. Nottinghamshire. Oxfordshire. Peterborough, Soke of. Rutlandshire. Shropshire. Somersetshire. Southampton. Staffordshire. Suffolk, East. „ West. Surrey. Sussex, East. „ West. Warwickshire. Westmorland. Wight, Isle of. Wiltshire. Worcestershire. Yorkshire, East Riding. „ North „ „ West „ Anglesey. Brecknockshire. Cardiganshire. Carmarthenshire. Carnarvonshire. Denbighshire. Flintshire. Glamorganshire. Merionethshire. Montgomeryshire. Pembrokeshire. Radnorshire.

TABLE XII.—*Ratio per cent. of Expectations of Life at several ages to those in England and Wales at the same ages, 1911–12. Females—contd.*

Area.	Age.													Area.
	0	1	2	5	10	15	20	25	35	45	55	65	75	85	
Administrative Counties with Urban and Rural Aggregates containing more than 200,000 population in each.															*Administrative Counties with Urban and Rural Aggregates containing more than 200,000 population in each.*
DERBYSHIRE :															DERBYSHIRE :
Urban Districts	98·9	99·9	99·5	99·7	99·8	99·7	99·7	99·4	98·9	98·4	95·6	93·6	90·2	104·7	Urban Districts.
Rural Districts	103·4	102·9	102·2	101·5	101·4	101·3	101·5	101·6	102·1	101·3	101·0	97·5	93·8	90·8	Rural Districts.
DEVONSHIRE :															DEVONSHIRE :
Urban Districts	106·4	104·4	103·6	103·2	103·5	103·9	104·3	104·8	106·1	107·1	108·5	110·1	108·2	97·0	Urban Districts.
Rural Districts	109·9	106·3	104·2	102·9	102·8	103·2	103·6	103·9	105·2	106·5	106·4	106·9	107·9	106·7	Rural Districts.
DURHAM :															DURHAM :
Urban Districts	92·1	93·6	94·8	95·2	95·0	94·8	94·4	94·2	93·6	92·3	90·7	88·6	89·5	80·1	Urban Districts.
Rural Districts	94·0	96·2	96·6	96·9	96·8	96·6	96·7	96·5	96·5	95·8	93·8	90·8	88·8	88·6	Rural Districts.
ESSEX :															ESSEX :
Urban Districts	108·0	105·6	104·7	103·7	103·7	103·8	104·1	104·2	104·6	105·2	105·8	106·7	106·1	106·5	Urban Districts.
Rural Districts	111·8	108·4	106·6	105·6	105·2	105·4	105·9	106·6	108·1	110·1	110·9	111·5	106·4	97·0	Rural Districts.
KENT :															KENT :
Urban Districts	107·2	105·3	104·5	104·1	104·3	104·6	104·9	105·0	105·5	106·6	108·3	109·2	107·1	105·7	Urban Districts.
Rural Districts	111·7	108·9	107·4	106·3	106·1	106·6	107·0	107·9	110·0	111·9	114·7	116·9	120·4	124·3	Rural Districts.
LANCASHIRE :															LANCASHIRE :
Urban Districts	93·9	95·6	95·9	96·1	96·0	95·8	95·6	95·3	94·1	92·3	89·8	87·7	85·0	94·0	Urban Districts.
Rural Districts	103·6	102·2	101·3	100·6	100·6	100·7	100·8	101·0	101·1	100·8	99·1	97·5	95·8	90·1	Rural Districts.
SOUTHAMPTON :															SOUTHAMPTON :
Urban Districts	109·7	107·0	105·8	104·9	104·8	105·0	104·9	104·8	106·0	106·4	108·3	109·2	108·3	100·7	Urban Districts.
Rural Districts	113·0	109·1	107·0	105·6	105·5	105·8	106·3	107·1	108·2	109·4	109·2	108·3	103·7	98·3	Rural Districts.
STAFFORDSHIRE :															STAFFORDSHIRE :
Urban Districts	95·5	96·7	97·1	97·4	97·3	97·2	97·3	97·1	96·7	95·8	93·9	91·2	87·1	90·8	Urban Districts.
Rural Districts	106·7	104·4	103·4	102·6	102·7	102·6	102·9	103·0	103·7	104·0	103·1	102·9	99·4	111·7	Rural Districts.
SURREY :															SURREY :
Urban Districts	112·4	109·5	107·9	107·2	107·4	108·0	108·7	108·9	109·8	110·8	112·5	113·7	111·7	107·7	Urban Districts.
Rural Districts	115·8	112·1	110·5	109·4	109·9	110·4	111·2	111·5	113·3	115·3	117·8	118·9	119·3	105·7	Rural Districts.
YORKSHIRE, WEST RIDING :															YORKSHIRE, WEST RIDING :
Urban Districts	95·5	96·4	96·8	97·2	97·2	97·2	97·0	96·8	96·2	94·6	91·7	88·1	83·6	83·6	Urban Districts.
Rural Districts	101·4	100·9	100·9	100·7	100·6	100·6	100·5	100·8	101·3	101·1	98·9	97·6	91·5	96·8	Rural Districts.

GLAMORGANSHIRE:														GLAMORGANSHIRE
Urban Districts	94·0	95·9	96·2	96·4	95·9	95·6	95·4	95·3	95·3	95·1	93·5	95·1	100·3	123·6	Urban Districts.
Rural Districts	101·6	101·0	100·1	99·4	99·1	98·9	98·9	99·0	100·0	99·6	100·6	100·3	103·7	108·4	Rural Districts.
County Boroughs with populations exceeding 100,000.															*County Boroughs with populations exceeding* 100,000.
BIRKENHEAD	94·3	95·2	96·5	97·1	97·5	97·7	97·4	96·7	95·6	95·6	96·1	97·0	101·8	115·9	BIRKENHEAD.
BIRMINGHAM	92·9	94·8	96·1	97·3	97·5	97·3	96·8	96·2	94·7	94·1	94·1	94·6	94·6	98·0	BIRMINGHAM.
BLACKBURN	90·1	94·4	94·9	95·1	95·0	94·3	94·0	93·5	92·7	90·6	86·7	84·6	85·3	82·1	BLACKBURN.
BOLTON	93·2	95·2	95·3	95·1	94·8	94·4	94·0	93·4	91·3	89·3	86·9	83·6	78·9	92·3	BOLTON.
BRADFORD	96·4	96·9	96·3	96·1	95·7	95·6	95·5	95·3	94·5	93·3	90·7	88·8	88·9	85·6	BRADFORD.
BRIGHTON	106·7	104·6	104·1	103·1	102·6	102·7	102·9	103·0	102·7	103·4	105·5	105·9	100·8	108·2	BRIGHTON.
BRISTOL	99·1	99·5	99·9	100·3	100·2	100·2	100·2	100·1	100·2	101·0	100·9	100·7	98·1	99·0	BRISTOL.
BURNLEY	85·9	91·4	93·0	93·7	93·4	92·8	92·5	91·9	89·6	87·3	84·0	79·6	79·2	92·6	BURNLEY.
COVENTRY	101·1	98·7	98·6	98·8	99·6	99·4	99·4	99·7	99·1	98·2	96·1	95·3	88·3	75·2	COVENTRY.
CROYDON	109·9	107·8	106·3	105·5	106·0	106·4	106·5	106·6	107·2	108·3	110·0	111·0	107·6	103·5	CROYDON.
DERBY	100·9	99·3	98·5	98·3	98·3	98·1	97·9	97·7	97·3	96·9	93·8	87·2	85·4	97·3	DERBY.
GATESHEAD	90·0	90·9	93·2	94·0	93·6	93·3	92·7	92·9	92·0	90·7	89·4	88·6	86·3	77·7	GATESHEAD.
HALIFAX	98·9	98·1	97·4	97·0	96·7	96·8	96·5	96·0	94·3	92·6	90·0	85·5	79·6	93·1	HALIFAX.
HUDDERSFIELD	96·3	96·8	96·9	96·8	96·2	95·9	95·4	95·1	92·8	91·5	88·7	86·3	83·4	78·2	HUDDERSFIELD.
KINGSTON UPON HULL	94·3	95·8	96·8	97·0	97·0	96·7	96·6	96·4	96·2	95·6	94·6	93·7	94·9	93·8	KINGSTON UPON HULL.
LEEDS	92·5	94·4	95·1	95·7	95·9	95·8	95·7	95·5	94·4	92·8	90·3	87·6	81·3	75·4	LEEDS.
LEICESTER	98·6	99·1	99·0	98·9	99·0	98·7	98·9	99·1	98·9	98·5	97·9	95·1	97·9	99·8	LEICESTER.
LIVERPOOL	84·4	86·8	89·6	91·2	91·0	90·7	90·1	89·1	87·2	85·7	84·5	85·0	87·1	96·8	LIVERPOOL.
MANCHESTER	89·1	91·4	92·8	93·6	93·5	93·1	92·7	92·1	90·2	88·5	87·2	86·2	89·6	100·2	MANCHESTER.
MIDDLESBROUGH	84·8	86·8	89·9	92·8	93·1	93·0	92·4	91·9	89·5	89·3	84·1	85·0	82·8	113·6	MIDDLESBROUGH.
NEWCASTLE UPON TYNE	92·6	93·1	93·9	94·6	94·7	94·5	94·2	93·7	92·8	90·8	89·2	89·9	91·4	94·3	NEWCASTLE UPON TYNE.
NORWICH	103·8	103·8	103·3	103·8	104·4	104·7	105·3	106·5	107·5	108·6	110·8	108·8	107·6	111·7	NORWICH.
NOTTINGHAM	94·0	97·2	97·9	98·7	98·4	98·0	97·8	97·5	97·1	96·2	95·9	93·3	88·9	82·6	NOTTINGHAM.
OLDHAM	88·3	90·1	91·2	91·7	91·3	90·8	90·4	89·9	88·4	85·1	82·8	81·1	83·5	71·7	OLDHAM.
PLYMOUTH	96·1	97·8	98·3	98·0	98·4	98·2	98·7	98·9	99·6	100·2	101·4	103·2	103·1	121·3	PLYMOUTH.
PORTSMOUTH	100·1	99·2	98·6	98·8	100·1	100·4	100·7	100·8	100·5	100·9	101·1	99·6	94·9	98·0	PORTSMOUTH.
PRESTON	87·9	91·2	91·3	92·6	93·3	93·3	93·1	92·5	90·6	88·9	83·7	81·8	80·3	95·5	PRESTON.
SALFORD	88·1	90·4	92·3	93·4	93·2	92·8	92·3	91·4	89·6	87·9	84·7	83·2	81·8	100·0	SALFORD.
SHEFFIELD	94·8	95·2	96·7	97·7	97·7	97·4	97·1	96·7	95·9	94·7	93·6	92·0	87·5	99·8	SHEFFIELD.
SOUTHAMPTON	102·2	101·6	101·7	100·7	101·2	101·3	101·2	100·8	100·9	102·0	104·4	104·5	111·2	106·0	SOUTHAMPTON.
SOUTH SHIELDS	90·1	91·1	92·4	92·6	92·1	91·5	91·1	90·5	90·3	90·0	87·1	83·8	90·3	107·2	SOUTH SHIELDS.
STOCKPORT	92·6	95·4	95·8	96·0	95·5	95·3	94·8	93·9	92·5	91·3	88·4	87·7	85·3	111·4	STOCKPORT.
STOKE ON TRENT	86·3	90·7	91·3	92·2	91·8	91·6	90·8	89·9	88·3	87·3	86·1	85·2	89·5	116·6	STOKE ON TRENT.
SUNDERLAND	90·2	92·3	93·8	94·7	94·8	94·7	94·2	93·4	92·4	91·8	90·5	90·7	87·9	101·0	SUNDERLAND.
WEST HAM	94·4	95·3	97·0	97·6	97·5	97·3	96·8	96·3	95·3	94·5	94·6	93·8	92·5	76·4	WEST HAM.
CARDIFF	95·4	96·8	96·6	96·8	96·8	96·7	96·4	96·4	96·6	96·9	96·3	99·1	107·1	93·8	CARDIFF.
SWANSEA	92·7	93·5	94·6	95·4	95·7	95·2	95·2	95·0	95·0	95·3	95·7	99·8	111·0	115·4	SWANSEA.
Rural Districts in Norfolk and Suffolk	111·0	108·3	106·5	105·2	104·9	105·1	105·5	106·5	109·2	111·1	111·8	112·8	108·5	97·0	Rural Districts in Norfolk and Suffolk

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